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PREFACE

This special edition of the *Title List* contains Docket 50 material from 1978 that has not appeared in previous issues of the *Title List*. The documents in this supplement are indexed by personal author, corporate source, and report number. The listings of this material on the domestic licensing of production and utilization facilities, divided into the categories used for filing and searching in the NRC Public Document Room, are as follows:

- A. Application/construction stage documents and correspondence
- B. Utility Preliminary Safety Analysis Report (PSAR), amendments
- C. Utility Environmental Report (ER), amendments and correspondence
- D. NRC Draft and Final Environmental (Impact) Statements (DES and FES), and correspondence
- E. NRC Safety Evaluation Report (SER), supplements and correspondence
- F. Security, medical, emergency and fire-protection plans
- G. Adjudicatory correspondence
- H. General correspondence
- I. Financial information
- J. Insurance and indemnity information
- K. Utility Final Safety Analysis Report (FSAR) and amendments
- L. Limited work authorization and related correspondence
- M. Antitrust correspondence
- N. Antitrust hearing transcripts
- O. Advisory Committee on Reactor Safeguards (ACRS) reports and correspondence
- P. Operating license stage documents and correspondence
- Q. Inspection reports, IE Bulletins and correspondence
- R. Periodic operating reports and related correspondence
- S. Reportable occurrences, LERs and related correspondence
- T. Hearing transcripts on non-antitrust matters
- U. Congressional/executive correspondence
- V. Licensing operators and related correspondence
- W. Decommissioning stage documents and correspondence

The Appendix sets forth those categories and describes the materials available in each. Omission of a category in the listing for a docket indicates that no documents in that category were filed in the time period of the report.

The principal elements of the entries in the list are:

- ① P. Operating license stage documents & correspondence
- ②
- ③
- 7904170015 Forwards info on TMI:JM Hendrie 790410 testimony, preliminary chronology of NRC actions, description of events & generic consideration of incident.
- REHM, T.A. Office of the Executive Director for Operations. ← ⑤
- 79/04/12. 93 pp. 06861:212
- ⑥ ④ ⑦ ⑧ ⑨ ⑩

1. NRC/PDR Document category (see Appendix).
2. NRC Accession Number (year, month, day, and sequence number of item)
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The Docketed Items list is arranged sequentially by category, and then by date of principal items. Entries indented and preceded by a dash are items that were submitted as enclosures to principal items. In general, indented items are not in accession number sequence. If the docketed document has a contract (FIN) number or a formal report number, it will appear in the last line of the item following entry 5.

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DOCKETED ITEMS

DOMESTIC LICENSING OF PRODUCTION AND UTILIZATION FACILITIES

DOCKET 50-2 UNIV. OF MICHIGAN RESEARCH REACTOR

F. Security, medical, emergency & fire protection plans

7810200143 Changes to Security Plan for subj facil have been eval as submitted, in ltrs dtd 780712 & 780825. Changes do not decrease effectiveness of plan & are acceptable. Submittals contain proprietary info & are w/hold from pub disclosure. REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/06 1p. 94170.142.

P. Operating license stage documents & correspondence

781020140 Forwards Amend#23 to Facil Oper Lic#R-28 revising tech specs as requested in 780913 ltr w/Safety Evaluation Rept. REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/12. 2pp. 94354.287.

--781020146 Amend#23 to Facil Oper Lic#R-28 revising tech specs re auth of intermetallic Uranium Aluminide (UAIX) & Uranium Oxide (UO8) Cermet Fuels in addition to uranium-aluminum alloy fuel & deletion of cold sump alarm. REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/12. 2pp. 94354.289.

--781020150 Safety Evaluation Rept Supporting Amend#23 to Facil Oper Lic#R-28 concluding that UAIX & UO8 Fuels are acceptable alternatives in the FNR. * Office of Nuclear Reactor Regulation, Director. 78/10/12. 7pp. 94354.296.

781060013 Forwards Amend#26 to Facil Oper Lic#R-28 revising tech specs as requested in 780928 ltr w/safety Evaluation. REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/13. 2pp. 94422.223.

--781060015 Amend#26 to Facil Oper Lic#R-28 revising Tech Specs to auth per level for Ford Nuc Reactor when 10-plate fuel assemblies from FSU Res Reactor are utilized in E.W. & B fringe locations of reactor core. REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/13. 7pp. 94422.227.

--781060019 Safety Evaluation Rept supporting Amend#26 to Facil Oper Lic#R-28 concluding that an increase from 1 Mw to 2 Mw in maximum allowed per of FNR w/10-plate fuel assemblies in E.W. & B core positions is acceptable. * Office of Nuclear Reactor Regulation, Director. 78/10/13. 3pp. 94422.234.

Q. Inspection reports, IE Bulletins & correspondence

781090037 Forwards IE Inspec Rpt#50-002 on 780906-08 & w/o Notice of Violation. DAVIS, A. B. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/10/03. 2pp. 02732.317.

--781090040 IE Inspec Rpt#50-002/78-03 on 780906-08 during which 1 item of noncompliance was noted: inadequate documentation of surveillance requirements. GREGER, L. R., FISHER, W. L. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/09/28. 9pp. 02732.319.

--781090041 Notice of Violation from inspec on 780906-08. * Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/09/28. 1p. 02732.328.

781080135 Responds to 781003 NRC ltr re noncompliance noted in inspec on 780906-08. Corrective actions: calibr of gamma spectrometry equip & preparation of health physics procedure req quarterly calibr of gamma spectrometry equip by 781201. KERR, W. Michigan, Univ. of. 78/10/24. 1p. 94398.007.

7811200052 Ack receipt of 781024 ltr informing NRC of steps taken to correct violations noted during inspec. DAVIS, A. B. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/11/08. 1p. 94215.344.

DOCKET 50-3 INDIAN POINT STATION, UNIT 1

F. Security, medical, emergency & fire protection plans

7811200181 Forwards revs to Mod Amend Security Plan of subj facil & requests withholding from public disclosure IAW Section 2.790(d). CAHILL, W. J. Consolidated Edison Co. of New York. 78/11/09. 1p. 94252.297.

G. Adjudicatory correspondence

7811090188 Forwards recent NRC memos re problems w/pipe support base plate design. Staff will inform Bd of conclusions after study of addl info from licensees. (See AND: 7811020332, 7811020338, & 7811020343.) SMITH, B. H. Office of the Executive Legal Director. 78/10/24. 2pp. 94031.078.

J. Insurance & indemnity information

7811220076 Forwards Endorsements#98 to ANI Policy#NF-100 & #88 to MAELU Policy#MF-29, which reflect return premium due to subj facil shutdown from 780214-0522. CAHILL, W. J. Consolidated Edison Co. of New York. 78/11/15. 1p. 94071.276.

--7811220078 Endorsement#98 to ANI Policy#NF-100. * Nuclear Energy Liability Insurance Association. 78/08/30. 1p. 94071.277.

--7811220081 Endorsement#86 to MAELU Policy#MF-29. * Nuclear Energy Liability Insurance Association. 78/09/05. 1p. 94071.278.

P. Operating license stage documents & correspondence

7812030004 Forwards Licensee Performance Eval Questions for subj facil in response to 771123 request. Feels it is possible that dev of statistical methodology for such eval may not justify the effort. Qualitative eval may be as good. Urges 1-year test. GRIBB, B. H. Region 1, Philadelphia, Office of the Director. 77/12/13. 12pp. 94200.114.

--7812030013 Requests views of Regional Directors on Licensee performance eval of subj facil. Forwards questions to be answered by 771209. THORNBURG, H. Division of Reactor Construction Inspection. 77/11/23. 2pp. 94200.126.

7810240108 Forwards data specified in Section 401 Certification for Bsp. Includes species code list, grass elec output, circulating water temp, river water discharge, chem discharges & daily fish counts. MONTI, W. A. Consolidated Edison Co. of New York. 78/10/13. 17pp.

7811070120 Informs NRC IAW Tech Spec that Strawtown Dairy has ceased
oper & therefore milk sample is unobtainable Samples of
leafy green vegetables & milk from Shenandoah Farm will be
taken.
CAHILL, W J Consolidated Edison Co of New York 78/10/30. 2pp.
94038:290

7811170160 Forwards data specified in Section 401 Certification for
the month of October, 1978
MONTI, W A Consolidated Edison Co of New York 78/11/10 16pp.
94048:031

7812150088 Notice of workshops re implementation of training & qual
requirements contained in Append B of 10CFR73 Requests
pre-workshop registration of attendees to facilitate sending
out Natl W/encl Registration Form & List of Locations.
MILLER, J R Assistant Director for Site & Safeguards (Pre 791030).
78/11/15 5pp 94211:343

7812190016 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for
PWR's (NUREG-0473) & "Preparation of Radiological Effluent
Tech Specs for Nuc Pur Plants" (NUREG-0133)
ORIER, B H Assistant Director for Engineers & Projects (Pre
790625). 78/11/15 6pp 94214:285.

7812070153 Notice of seminar on 781208 on new Model Radiological
Effluent Tech Specs for nuc pur plants Requests advance
submission of seminar specific questions W/encl Seminar Info
Sheet, Proposed Agenda & maps
ORIER, B H Region 1, Philadelphia, Office of the Director.
78/11/21. 8pp. 94375:192

7812150026 Discusses possible dangers of LOCA in containment purging
during normal plant oper Requests either commitment to limit
purging or justification for continuing W/encl ANQ#
7812080207
SCHNEIDER, A. Operating Reactors Branch 1 (Pre 790625) 78/11/28.
6pp. 94210:001

7812150321 Responds to 781121 memo requesting mod to Environ Tech Specs
to req continuous monitoring & recording of effluents from
detergent Waste Collector tanks. Memo has been forwarded to
DBE.
EISENHUT, D O Assistant Director for Systems Engineering (Pre
791030). 78/12/04 1p 94022:014.

7812070180 Forwards application for amend to OLs
ZARAKAS, P Consolidated Edison Co of New York 78/12/05. 1p.
94378:030

--7812070182 Application for amend to OLs Certificate of Bvc encl
CAHILL, W J Consolidated Edison Co of New York 78/12/05 12pp.
94375:031.

7812280126 Emphasizes importance of submitting accurate & complete info
to NRC by licensees & applicants. Info submitted must be
substantiated by data & calculations. Licensee must notify
NRC of any inaccuracies or enforcement action will result.
DAVIS, J O Office of Inspection & Enforcement. Office of the
Director 78/12/06 2pp 94310:262.

7812030013 Requests views of Regional Directors on Licensee performance
eval of subj facili. Forwards questions to be answered by
771209.
THORNBURG, H. Division of Reactor Construction Inspection. 77/11/23.
2pp

7812190174 Forwards copies of "Appl for Amend to Oper Lic" which
requesting amends to section 4.1.2a of Environ Tech Spec
Requirements for subj facili. Amends would restructure
present Aquatic Environ Monitoring Prog. Cert of Bvc encl.
CAHILL, W J. Consolidated Edison Co. of New York. 78/12/14. 3pp.
94340:002.

--7812190180 Appl for amend to Licensee DPR-5, DPR-26 & DPR-64
requesting rev to Environ Tech Specs Rev Tech Specs &
proposed mods are designed to provide a monitoring prog for
continuous assessment of Hudson River fish population.
CAHILL, W J., EARLY, P. J. Consolidated Edison Co. of New York.
78/12/14. 46pp. 94340:005.

G. Inspection reports, IE Bulletins & correspondence

7810160246 Forwards IE Bulletin#78-12: "Atypical Weld Material in
Reactor Pressure Vessel Welds" requesting action w/in 60
days & list of IE Bulletin issued in 1978. (See AND #
7810040253)
ORIER, B H Region 1, Philadelphia, Office of the Director.
78/09/29. 6pp. 94003:308

7811060201 Forwards IE Circular#78-17 (See AND. 7810230221. Docket
#50-133. 781013)
ORIER, B H Region 1, Philadelphia, Office of the Director.
78/10/13 1p 94489:200

7811060224 Ack receipt of 780818 ltr informing NRC of steps taken to
correct violations noted during inspect#50-003/78-06 &
#50-247/78-19
ORIER, B H Region 1, Philadelphia, Office of the Director.
78/10/20 2pp 94488:141

--7811060238 Responds to 780712 NRC ltr re Violations noted in Inspe
Repts#50-003/78-06 & #50-247/78-19. Corrective actions.
Quality Assurance checklists modified; environ audit procedures &
related environ procedures revised
ZARAKAS, P Consolidated Edison Co of New York 78/08/18. 4pp
94488:143

--7811060239 Forwards IE Inspe Repts#50-003/78-06 & #50-247/78-16 on
780516-18 & 780522-23 & Notice of Violation.
ORIER, B H Region 1, Philadelphia, Office of the Director
78/07/12. 3pp. 94488:147

--7811060244 Notice of Violation from inspec on 780516-18 & 780522-23
STOHR, J. P. Region 1, Philadelphia, Office of the Director.
78/07/12. 3pp 94488:150

--7811060247 IE Inspe Repts#50-003/78-06 & #50-247/78-19 on 780516-18
during which 3 items of noncompliance were noted: Failure to
monitor cooling water sys temp & approve procedural changes
in accord w/EBTR; failure to submit timely measurement repts
BORSES, R J Region 1, Philadelphia, Office of the Director
78/07/07. 24pp 94488:153

7812010345 Forwards licensee performance evaluation for Region 1 No
operating reactor in Region 1 is considered to have
either abnormal or unusual safety concern.
ORIER, B H Region 1, Philadelphia, Office of the Director
78/11/01. 4pp. 94418:254.

781140252 Ack receipt of 781018 ltr informing NRC of steps taken to
correct violations noted during inspect#50-003/78-11 & #50-
247/78-29.
SMITH, G H Region 1, Philadelphia, Fuel Facility & Materials Safety
Branch. 78/11/03. 1p 94400:106

--781140255 Responds to 780926 NRC ltr re violation noted in Inspe
Repts#50-003/78-11 & #50-247/78-29. Corrective actions.
malfunctioning pen linkage mechanism in recorder of monitor
CT-1014 repaired & monitor flushed
CAHILL, W J Consolidated Edison Co. of New York 78/10/18 2pp

--781140256 Forwards IE Inspe Repts#50-003/78-11 & #50-247/78-29 on
780905-08 & Notice of Violation.
CROCKER, H W Region 1, Philadelphia, Fuel Facility & Materials
Safety Branch. 78/09/26 2pp. 94400:109

--781140259 Notice of Violation from inspec on 780905-08
CROCKER, H W Region 1, Philadelphia, Office of the Director.
78/09/26. 1p. 94400:111.

--781140262 IE Inspe Repts#50-003/78-11 & #50-247/78-29 on 780905-08
during which 1 item of noncompliance was noted: Failure to
continuously monitor & record liquid effluent discharges.
THOMAS, L. Region 1, Philadelphia, Office of the Director
78/09/26. 6pp. 94400:112.

7812180057 Forwards IE Inspe Repts#50-003/78-12 & 50-247/78-33 on
781011-12 during which no items of noncompliance were noted.
SMITH, G H Region 1, Philadelphia, Fuel Facility & Materials Safety
Branch. 78/11/03. 2pp. 94133:092.

--7812180058 IE Inspe Repts#50-003/78-12 & #50-247/78-33 on 781011-12
during which no items of noncompliance were noted: Major
areas inspected incl: observation of licensee conducted
emergency drill & circulating cooling water temp monitor.
BORSES, R J., STOHR, J. P. Region 1, Philadelphia, Fuel Facility &
Materials Safety Branch. 78/11/02. 4pp. 94133:094

7811290214 Forwards IE Circular #78-18: "UL Fire Test." W/encl AND:
781150002.
ORIER, B H Region 1, Philadelphia, Office of the Director.
78/11/06 1p. 94237:329.

7812150133 Forwards IE Bulletin#78-12A: suppl to IE Bulletin#78-12
W/encl AND: 7811300055.
ORIER, B H Region 1, Philadelphia, Office of the Director.
78/11/24. 1p. 94212:174.

78/11/18 1p. 94365:064.
811210340 Requests refund of \$6 per mut in excess indemnity fee paid for Lic#DPR-2, #DPR-19, #DPR-25, #DPR-29, #DPR-30, #DPR-39, #DPR-48
POOLE, R. D. Commonwealth Edison Co. 78/12/13 1p. 94376:323

1210340 Forwards Monthly Oper Rept for Oct 1978
AMILL, W. J. Consolidated Edison Co. of New York 78/11/15. 1p
4484:328.

811210344 Monthly Oper Rept for Oct 1978
KAHULA, L. MAKEPEACE, J. Consolidated Edison Co. of New York.
78/11/08. 9pp 94484:329

2010206 Forwards corrected copy of Chem Discharges sheet in Section 401 Cert Rept for Oct 1978.
MONTI, W. A. Consolidated Edison Co. of New York. 78/11/15. 2pp.
44409:265

1220153 Forwards tabulation of daily record of fish collections for Oct 1978 w/daily species breakdown & total weight.
AMILL, W. J. Consolidated Edison Co. of New York 78/11/16. 4pp.
44074:277

12180132 Forwards data specified in Section 401 Certification for Nov 1978
MONTI, W. A. Commonwealth Edison Co. 78/12/10. 17pp. 94366:036

12270188 Forwards rept of fish impingement & corrective action for Nov 1978
AMILL, W. J. Consolidated Edison Co. of New York. 78/12/14. 5pp.
94018:037.

12210207 Forwards Monthly Oper Rept for Nov 1978.
AMILL, W. J. Consolidated Edison Co. of New York 78/12/15. 1p.
94279:103.

7812210211 Monthly Oper Rept for Nov 1978
KAHULA, L. Consolidated Edison Co. of New York 78/12/05. 7pp.
94279:104.

CKET 50-6 BATTELLE MEMORIAL INST. RESEARCH REACTOR

Inspection reports, IE Bulletins & correspondence

11170316 Forwards IE Inspec Repts 0-0008/78-04, #30-05728/78-03 & #50-006/78-01 on 780911-15 during which no items of noncompliance were noted.
DAVIS, A. B. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/10/10. 2pp. 02763:322.

7811170319 IE Inspec Repts 70-0008/78-04, 30-05728/78-03 & 50-006/78-01 on 780911-15, during which no items of noncompliance were noted. Areas in spec: radiat protac prog, radioactive waste mgmt, tech spec requirements for retired res reactor.
MILLER, D. E. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/10/10. 7pp. 02763:324.

CKET 50-10 DRESDEN NUCLEAR POWER STATION, UNIT 1

Adjudicatory correspondence

812270230 Proposed stipulation re NRDC & CBE's representation of unnamed members in Dresden-Guad Cities transshipment is not acceptable to NRC. NRC position on NRDC's petition to intervene remains as stated in 781103 pleading
GOODARD, R. J. Office of the Executive Legal Director. 78/12/06. 1p.
94017:138.

General correspondence

810310024 Informs that for SEP normal channel of oral communication will be followed, but to expedite reviews direct oral communication between subj facill staff & members of SEP branch is encouraged.
ZIEMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/10. 2pp. 94094:345.

I. Insurance & indemnity information

812180210 Forwards copies of insurance policies #NELIA, NF-43 & MAELU, NF-22.
OSTER, J. Commonwealth Edison Co. 78/12/12. 2pp. 94365:062.

P. Operating license stage documents & correspondence

7812080026 FOIA request for all records incl. quantity of radioactive matl disposed of from former Manhattan proj in IL known as Chicago Pile#1, 2 & 3 Matl disposed of in IL by Lindsey Cos at Morris Facill & Dresden Facill
MANSELL, D. Illinois, State of 78/11/06 2pp 94104:003.

7812050013 Requests views of Regional Directors on Licensee performance eval of subj facill Forwards questions to be answered by 771209
YHORNBURO, H. Division of Reactor Construction Inspection. 77/11/23. 2pp 94200:126

7811130059 Forwards initial eval of 8 complete SEP topics & response to request for clarification of SEP documentation procedures made at 780531 meeting. Requests response re facts used to define plants by NRC staff.
EIBENHUT, D. O. Assistant Director for Systems Engineering (Pre 791030). 78/08/17 2pp 94010:275.

--7811130337 NRC response to the SEP owners group suggestions for documentation procedures for the NRC Systematic Evaluation Prog Forwards conclusions re individual areas of concern at nuc power plants
* Assistant Director for Systems Engineering (Pre 791030) 78/08/17. 23pp 94010:293

7810190148 Reports on use of Type D ATCOR cask#DRC-48-220
STEPHENSON, B. B. Commonwealth Edison Co 78/10/03. 1p 94414:058.

7811080275 Notification of 781023-24 site visit to observe, discuss & identify site specific seismic design features & info. Agenda: list of pertinent info required for review by senior seismic review team & description of SEP review encl
ZIEMANN, D. L. Operating Reactors Branch 2 (Pre 790625) 78/10/11 8pp.

7810200086 Analytic work re testing of core spray distribution at facility in progress. Work must be finished before conclusions can be drawn from test program. Rept will be submitted by mid-Dec 1978
TURBAK, H. B. Commonwealth Edison Co. 78/10/13. 1p. 94367:094.

7810240158 Forwards evaluation of surveillance requirements on BWR recirculation pumps & discharge valves in operation w/less than all loops in svc, BWR jet pump operating indications & upper plenum injection w/DBEs affected in LOCA
TURBAK, H. B. Commonwealth Edison Co. 78/10/18. 19pp

7811100105 Forwards copy of NUREG-0483, "Status Summary Rept-Systematic Eval Prog."
ZIEMANN, D. L. Operating Reactors Branch 2 (Pre 790625) 78/10/19. 1p.

--7811100109 "Status Summary Rept, Systematic Evaluation Program"
* Office of Management and Program Analysis. NUREG-0483 V01 78/09/22. 205pp.

7810260153 Requests 45-day extension to allow time to provide addl info re accuracy of environ qualification of safety-related electrical equipment.
TURBAK, H. B. Commonwealth Edison Co. 78/10/23 1p 94055:338.

781020332 Withdraws request to amend Tech Specs re reporting requirements for reactivity anomalies, as Reg Guide "Interpretation" by NRC on 780701 does not require rept for reactivity increase of less than 5 secs.
REED, C. Commonwealth Edison Co. 78/10/26 2pp. 94255:223

781030161 Forwards proposed Amend changing Tech Specs w/regard to updating station organizational charts. Changes have received onsite & offsite approval.
REED, C. Commonwealth Edison Co. 78/10/26. 9pp. 02724:009.

7811140014 Requests addl info on ESF switchover from injection to recirculation mode, isolation of reactor protec sys from non-safety sys, ESF sys logic & design & specific drawings of elec sys, & complete plant elec drawing indices
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625) 78/10/26 3pp. 94425-340

7811140002 Notifies applicant of 781128 NRC-sponsored seminar re Model Radiological Effluent Tech Specs for Nuc Pur Plants w/encl Seminar Info Sheet to be completed & returned by 781117 & Proposed Agenda.
KEPLER, J. G. Region 3, Chicago, Office of the Director 78/11/07 4pp. 94426-022

7811270071 Forwards Amend#27 to Facil Oper LicNDPR-2 & associated Safety Eval & Notice of Issuance
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625) 78/11/09 2pp. 94246-303

--7811270073 Amend#27 to Facil LicNDPR-2, permitting oper of subj facil for low pur physics test.
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625) 78/11/09 4pp. 94246-305

--7811270078 Safety Eval Supporting Amend#27 to Facil Oper LicNDPR-2. Concludes there is no increased risk from its implementation
Office of Nuclear Reactor Regulation, Director. 78/11/09 4pp. 94246-309

--7811270081 Notice of Issuance of Amend #27 to Facil Oper LicNDPR-2 permitting oper of subj facil for low pur physics test
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625) 78/11/09 2pp. 94246-313

7811280430 Forwards draft Sys Eval Prog Safety Inputs re Topic VIII-3 A. Station Battery Test Req Requests they be transmitted to licensee.
DAVIS, D. K. Systematic Evaluation Programs Branch (Pre 790625) 78/11/14 23pp. 94381-119

7811250071 Notification of workshops in Jan-May 1979 in Regions 1-5 to explain techniques of job analysis & performance testing & how to relate such testing to qualification plan development & training. Designed for working level personnel
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030) 78/11/13 5pp. 94210-215

7811280248 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for BWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
ORINEB, B. K. Assistant Director for Engineers & Projects (Pre 790625) 78/11/13 4pp. 94366-123

7812050107 Forwards rev page to Topical Rept CE-1-A "Dual Assurance Prog. Rev. 6." Rev reflects Reg Guidel. 28 & 1.33 rev.
TURBAK, M. B. Commonwealth Edison Co. 78/11/17 2pp. 94335-354

7811280213 Forwards current lic status list for subj facils.
REED, C. Commonwealth Edison Co. 78/11/20 9pp. 94012-130

7812040194 Rept on 780927 visit to facil for familiarization & addl info. Industrial & transp facils & control room area were observed. FBAR subjects were discussed w/list of participants.
FONTECILLA, H. M. Systematic Evaluation Programs Branch (Pre 790625) 78/11/20 4pp. 94457-122

7812060303 Notification of 781207 meeting w/BEP Owner's Group in Bethesda, MD to discuss plans to address seismic input for use in BEP seismic review.
LEVIN, H. A. Systematic Evaluation Programs Branch (Pre 790625) 78/11/24 2pp.

7812080114 Proposes Tech Spec change re min reactor vessel head stud tensioning temp, changing it from 130 F to 70 F. Change is req because 130 F temp is difficult to maintain when solvent is in primary sys. w/stress fracture analysis.
REED, C. Commonwealth Edison Co. 78/12/01 4pp. 94104-354

781210055 Forwards safety evaluation re need for feedwater pump trip on reactor high water level. Trip determined unnecessary to ensure safe operation of facility.
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625) 78/12/01 4pp. 94408-252

7812120155 Forwards revised lists w/envirom qualification of safety-related electrical equipment in response to NRC 780906 ltr. Includes BEP by equipment type, BEP submittal ref, location, time required & type of envirom.
TURBAK, M. B. Commonwealth Edison Co. 78/12/01 31pp. 94276-297

7812280129 Emphasizes importance of submitting accurate & complete NRC by licensees & applicants info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. O. Office of Inspection & Enforcement, Office of the Director 78/12/06 2pp. 94311-336

7812140361 Requests eval of systems designed to accommodate effluents pipe breaks inside containment at subj facil in order for NRC to complete BEP review.
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625) 78/11/09 3pp. 03557-235

7812150099 Requests addl info from SEP licensees re elec penetr of reactor containments in order to complete eval.
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625) 78/11/09 4pp. 94212-032

7812210078 Forwards NUREG-0485, Vol 1, Number 2, "Status Summary SEP." w/0 encl.
ZIEHANN, D. L. Operating Reactors Branch 1 (Pre 790625) 78/11/09 2pp. 94269-360

7812190097 Accepts topical rept#CE-1-A Rev#6, "Comm Edison Co Du Assurance Prog for Nuc Generating Stations." Requests submittal of 36 copies.
HAAB, W. P. Quality Assurance Branch. 78/12/13 1p. 94376-1

7812270375 Responds to 781120 request for temporary waiver of R Prog for Lic Operators & Senior Operators (Limited). Section 3, paragraph B Requests proposed determination of amend class, state the basis & submit fee of \$1200.
DIOGH, R. M. License Fee Management Branch. 78/12/19 1p. 94229-264

7812270327 Describes mod plans to lines to make them comply w/A local leak rate test requirement. Mod will be completed during chemical cleaning.
TURBAK, M. B. Commonwealth Edison Co. 78/12/20 3pp. 94232-1

G. Inspection reports, IE Bulletins & correspondence

7810110052 Forwards IE Insp Repts 50-010/78-23, 50-237/78-21 & 50-237/78-23 on 780807-10 & 16-18 & notice of deviation.
DAVIS, A. B. Region 3, Chicago, Office of the Director. 78/09/20 2pp. 94080-049

--7810110054 Notice of Deviation from inspec on 780807-10 & 780807-10 & 16-18 during which 1 item of deviation was noted. Failure to meet FBAR commitment for monitoring unit 2/3 liquid rad waste effluents.
GREGER, L. R., FIBBER, W. L. Region 3, Chicago, Office of the Director. 78/09/06 11pp. 94063-227

7811010018 Forwards IE Insp Repts#50-10/78-25, #50-237/78-22 & 780705-06, 11-12, 19-20, 780817, 23-25, 29-31 & 780901, during which no items of noncompliance were noted.
FIDRELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/09/20 2pp. 94290-141

--7811010022 IE Insp Repts#50-10/78-25, #50-237/78-22 & #50-249/780705-06, 11-12, 19-20, 780817, 23-25, 29-31, 780901, during which no items of noncompliance were noted. Major areas inspec: followup of noncompliance & review of plant oper.
BARKER, J. L. Region 3, Chicago, Office of the Director. KN Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/09/20 7pp.

--7811010022 IE Insp Rept#50-10/78-25, #50-237/78-22 & #50-249/780705-06, 11-12, 19-20, 780817, 23-25, 29-31, 780901, during which no items of noncompliance were noted. Major areas inspec: followup of noncompliance & review of plant oper.
BARKER, J. L. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/09/20 7pp.

781010277 Responds to 780908 NRC ltr re deviation noted in Insp Repts 50-010/78-23, 50-237/78-21, 50-249/78-23. Corrective actions: liquid radwaste discharge monitor will be returned to svc & alarm will be made operable.
REED, C. Commonwealth Edison Co. 78/09/22 3pp. 94079-148

7811010009 Response to 780921 NRC ltr re deviation noted in IE Repts#50-10/78-23. Corrective actions: lubricating oil pressure readings were w/in ranges recommended by vendor. Procedures will be revised by 781006.
REED, C. Commonwealth Edison Co. 78/10/06 2pp. 94290-244

FIORILLI, G. Region 3, Chicago, Office of the Director. 7/12/78. 1p. 94290 248.

--781010029 IE Inspec Repts#50-10/78-27 on 780816-17 during which 1 item of noncompliance was noted: failure to adhere to approved procedures while testing record of temporary diesel generator, acceptable criteria values had not been met. SMITH, J. D. Region 3, Chicago, Office of the Director. REYES, L. A. STREETER, J. F. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/09/19. 4pp. 94290 249.

7810200203 Ack receipt of 780922 ltr informing NRC of steps taken to correct item of noncompliance identified in ltr of 780908. DAVIS, A. B. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/10/12. 1p. 94367 089.

7810300030 Forwards IE Circular#78-17 (See AND 7810230221) KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/10/13. 1p.

7810310093 Forwards review of weld portion of inservice insp program. New tables show total number of welds or components requiring insp over plant lifetime for each code category. TURBAK, H. B. Commonwealth Edison Co. 78/10/19. 120pp. 94091 170.

7811300261 Forwards IE Inspec Repts#50-010/78-26, 50-237/78-23 & 50-249/78-23 on 780905-08, 12-14, 20-22, & 26-28 & Notice of Violation. FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/23. 2pp. 94075 233.

--7811300264 Notice of Violation from inspec on 780905-08, 12-14, 20-22 & 26-28. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/25. 1p. 94075 061.

--7811300268 IE Inspec Repts#50-010/78-26, 50-237/78-23 & 50-249/78-23 on 780905-08, 12-14, 20-22 & 26-28 during which 1 item of noncompliance was noted: failure to report a 30 day reportable event in 30 days. BARKER, J. L., CHRISBOTHOD, N., HUQHEB, J. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/25. 10pp. 94075 237.

7811020335 Ack receipt of 781006 ltr informing NRC of steps taken to correct violations noted during inspec#50-010. FIORELLI, G. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/26. 1p. 94241 016.

7812050011 Forwards IE Inspec Repts#50-010/78-29, 50-237, -254, -295, -304/78-25, 50-249/78-27 & 50-265/78-26 on 781002 during which no items of noncompliance were noted. KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/10/30. 2pp. 94200 183.

--7812050027 IE Inspec Repts for subj facila on 781002 during which no items of noncompliance were noted. Major areas inspected incl: discussion of actions being taken by util to improve its reg performance & tour of Zion station. KNOPF, R. C., FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/10/30. 3pp. 94200 185.

7811100063 Forwards IE Circular 78-18, "Underwriters Lab Fire Test." KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/06. 1p. 94112 240.

7811260486 Unresolved items noted in IE Inspec Repts#50-010/77-20, #50-237/77-25 & #50-249/77-25 have been reviewed & recommendations made. Documentation of unresolved items withheld per 10CFR2.790(d). HIND, J. A. Region 3, Chicago, Safeguards Branch. 78/11/16. 1p. 94381 358.

7812050287 Forwards IE Bulletin 78-12A, "Atypical Weld Matl" in Reactor Pressure Vessel Welds." KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/24. 1p. 94202 332.

7812140081 Forwards IE Inspec Repts#50-010/78-28, #50-237/78-24 & #50-249/78-26 on 781010-13, 781016-19 & Notice of Violation. KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/12/01. 2pp. 94128 227.

7812290026 Forwards IE Bulletin 78-14, "Deterioration of Buna-N Components in ABCO Balenoids." KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/12/19. 1p. 94208 009.

R Periodic operating reports & related correspondence

7810100078 Monthly Progress Rept required for scheduled ECCB, IEEE-279 & fire protec mode. TURBAK, H. B. Commonwealth Edison Co. 78/10/04. 2pp. 94032 216.

7810100101 Forwards monthly operating rept for Sept 1978. STEPHENSON, B. B. Commonwealth Edison Co. 78/10/12. 1p. 94266 288.

--7810100104 Monthly operating rept for Sept 1978. PIELAK, J. F. Commonwealth Edison Co. 78/10/10. 63pp. 94366 289.

7811140099 Monthly rept for Oct 1978 on progress re completion of sche ECCB, IEEE-179 & fire protec mode. All work is still underway. TURBAK, H. B. Commonwealth Edison Co. 78/11/08. 2pp. 94425 108.

7811140119 Forwards monthly operating rept for Oct 1978. STEPHENSON, B. B. Commonwealth Edison Co. 78/11/08. 1p. 94425 184.

--7811140169 Monthly operating rept for Oct 1978. PIELAK, J. F. Commonwealth Edison Co. 78/11/08. 5pp. 94425 185.

7812130184 Forwards monthly operating rept for Nov 1978. STEPHENSON, B. B. Commonwealth Edison Co. 78/12/08. 1p. 94306 001.

--7812130186 Monthly Oper Rept for Nov 1978. PIELAK, J. F. Commonwealth Edison Co. 78/12/05. 6pp. 94306 002.

B. Reportable occurrences, LEIs & related correspondence

7810170204 Forwards LER 78-030/03L-0. STEPHENSON, B. B. Commonwealth Edison Co. 78/10/01. 1p. 94236 361.

--7810170216 LER 78-030/03L-0 on 780914, while performing DOB 1600-1, emergency condenser outlet valve M0101 failed to close remotely from control room. Caused by valve operator needing lubrication Valve exercised & closed manually. MORRIS, T. Commonwealth Edison Co. 78/10/03. 1p. 94236 362.

7810240148 Forwards LER 78-029/03L-0. STEPHENSON, B. B. Commonwealth Edison Co. 78/10/12. 1p.

--7810240150 LER 78-029/03L-0 on 780914, leak found in recirculation line (4446-3" Q1-R) at weld approx 1 ft above collector tank where pipe reduces from 3 to 2 inches, causing continuous running of radwaste bldg north sump pump. Caused by erosion. TRAXLER, D. V. Commonwealth Edison Co. 78/10/12. 1p.

7811090113 Forwards LER 78-031/03L-0. STEPHENSON, B. B. Commonwealth Edison Co. 78/10/30. 1p. 94042 291.

--7811090124 LER 78-031/03L-0 on 781007, insp of turbine pipeway located two leaks in E extraction bypass line (2705-4" FD). Caused by pipe erosion. One hole repaired w/welded patch & other w/ clamp-on patch. Line scheduled to be replaced during outage. TRAXLER, D. V. Commonwealth Edison Co. 78/10/27. 1p. 94042 294.

7811210388 Forwards LER 78-032/01T-0. STEPHENSON, B. B. Commonwealth Edison Co. 78/11/13. 1p. 94406 280.

--7811210392 LER 78-032/01T-0 on 781031, following spurious reactor sc during normal shutdown, cooldown rate discovered to be 35 F greater than Tech Specs limits. Caused by failure of operator to isolate BJA6 in time to prevent cooldown. ALLEN, R. Commonwealth Edison Co. 78/11/13. 2pp. 94406 281.

7812180174 Forwards LER 78-034/03L-0. STEPHENSON, B. B. Commonwealth Edison Co. 78/12/08. 2pp. 94359 350.

--7812180177 LER 78-034/03L-0 on 781201, channeled fuel assembly dropped from grapple while being transferred to spent fuel pool. Caused by assembly not being properly latched to grapple. FARRAR, D. Commonwealth Edison Co. 78/12/01. 3pp. 94359 352.

V. Operator Examinations

7811270138 Requests temporary waiver from Section III, Paragraph B. of "Requalification Program for Licensed Operators, Senior Operators & Senior Operators (Limited)." Current program of lectures, exams & mod training to continue during shutdown. TURBANK, M.B. Commonwealth Edison Co. 78/11/20. 2pp. 94253:353.

DOCKET 50-13 BABCOCK & WILCOX CO. CRITICAL FACILITY

J. Insurance & indemnity information

7809130539 Signed Amend#18 to Indemnity Agreement#8-B, adding new Article VIII re: payment of assessed deferred premiums for subg facili. GALTZMAN, J. Antitrust & Indemnity Group. 78/09/01. 2pp.

P. Operating license stage documents & correspondence

7811030166 Forwards corrected copy of 781016 ltr to recipient, which should have referenced Docket#50-13 in addition to #50-99. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/24. 1p. 94724:025.

7812180060 Forwards Amend#10 to Oper Lic#CX-10 & Safety Eval rept in response to 780626 request. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/11/29. 1p. 94133:102.

--7812180064 Safety Eval Rept in support of Amend #10 to Oper Lic #CX-10. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/11/29. 2pp. 94133:106.

G. Inspection reports, IE Bulletins & correspondence

7810270103 Forwards IE Inspec Repts#50-99/77-4 & #50-13/77-4 on 771129-771201 during which no items of noncompliance were noted. KENN, W.B. Region 2, Atlanta, Safeguards Branch. 77/12/27. 2pp. 94059:287.

--7810270113 IE Inspec Repts#50-13/77-4 & #50-99/77-4 on 771129-771201 during which no items of noncompliance were noted. Major areas inspected included: physical security prog, Security plan, Security organization, Surveillance, Access controls. JOYNER, J.H. Region 2, Atlanta, Office of the Director. 77/12/28. 1p. 94059:288.

7812050001 Forwards IE Inspec Repts#50-99/78-2, #50-13/78-2 & #70-824/78-10 on 780911-15 & Notice of Violation. SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/27. 2pp. 94200:001.

--7812050002 Notice of Violation from insp on 780911-15. * Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/27. 1p. 94200:003.

--7812050005 IE Inspec Repts #50-99/78-2, #50-13/78-2 & #70-824/78-10 on 780911-15 during which 1 item of noncompliance was noted: storage of flammable liquids in containers that are not safety approved cans. FERROTTI, D.J. Region 2, Atlanta, Office of the Director. 78/10/27. 17pp. 94200:004.

7812080219 Forwards Inspec Rept#50-099/78-03 & Inspec Rept#50-013/78-03 on 780918-22 during which no items of noncompliance were noted. SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/30. 2pp. 94137:074.

--7812080219 IE Inspec Rept#50-099/78-03 & IE Inspec Rept #50-013/78-03 on 780918-22 during which no items of noncompliance were noted. Major areas inspected incl: radiat protog procedures & posting & labeling. DAVIS, J.H. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/30. 7pp.

7812200156 Concur that inspec rept contains no proprietary info & agrees to placing it in NRC PDR. ENGBELDER, T.C. Babcock & Wilcox Co. 78/12/08. 1p. 94156:354.

--7812200158 Forwards Inspec Repts#50-13/78-4 & #50-99/78-4 on 781115-17 during which no items of noncompliance were noted. LONG, F.J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/12/01. 2pp. 94156:355.

--7812200161 IE Inspec Repts #50-013/78-04 & #50-099/78-04 on 781115-17 during which no items of noncompliance were noted. Major areas inspected incl: logs & records, reviews & audits, experiments, refueling procedures & IE Circular review. HINCKLEY, D.Q., MCHENRY, T.J., DANCE, H.C. Region 2, Atlanta, Office of the Director. 78/12/08. 3pp. 94156:357.

DOCKET 50-16 ENRICO FERMI ATOMIC POWER PLANT, UNIT 1

J. Insurance & indemnity information

7810120021 Forwards endorsement#90 to Nuc Energy Liability Insurance Policy NF-92 requested in 780922 NRC ltr. MATERS, B.R. Detroit Edison Co. 78/10/03. 3pp. 94330:170.

P. Operating license stage documents & correspondence

7810310025 Ack ltr & mgt meeting w/ NRC at util on 780823. WHIDDON, D. Detroit Edison Co. 78/10/03. 1p. 94094:362.

DOCKET 50-18 VALLECITOS BOILING WATER REACTOR

G. Advisory Committee on Reactor Safeguards Reports & correspondence

7812060002 Comments on exam of Trenches A, B, & E at facility. Final eval must be based on evidence indicating whether thrusts near reactor are due to landsliding as tectonic processes & whether there are other faults connected w/thrusts. THOMPSON, G. Affiliation Unknown. 78/10/24. 2pp. 94328:060.

P. Operating license stage documents & correspondence

7811080345 Supports a permanent shutdown of the Vallecitos plant in C because of tritium seepage into underground water. PLANCK, C. Affiliation Unknown. 78/10/18. 1p. 94406:317.

7811130177 Forwards preliminary trench logs for facil site. DARMITZEL, R.W. General Electric Co. 78/11/02. 73pp. 94087:850.

7812260096 Summary of 781205-06 site visit to observe trenches & discuss seismic implications of derived data. JACKSON, R.E., GREEVE, J.T. Geosciences Branch. 78/12/13. 6pp. 94349:350.

DOCKET 50-20 MASSACHUSETTS INST. OF TECH. RES. REACTOR

P. Operating license stage documents & correspondence

7812140095 Forwards Amend#15 to facil lic#R-37 which identifies currently approved security plan & incorp this plan as a condition of the license. Security plan w/held pursuant to 2.790. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/11/28. 2pp. 94126:351.

--7812140098 Amend#15 to Facil Oper Lic#R-37 re incorp of security plan into a condition of the lic. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/11/28. 2pp. 94126:353.

7812080093 Requests that Tech Specs for subg facil be amended by add a definition for the term "Frequency." Lack of such a definition has resulted in varying interpretations of time intervals. Suggested definition preferred. CLARK, L. Massachusetts Institute of Technology. 78/12/04. 2pp. 94108:032.

G. Inspection reports, IE Bulletins & correspondence

7810180178 Forwards IE Inspec Repts#50-020/78-04, 70-0089/78-02, 70-0194/78-02, 70-0095/78-02 & 70-0938/78-02 on 780809-18 during which no items of noncompliance were noted. MARTIN, W.G. Region 1, Philadelphia, Safeguards Branch. 78/09/04. 2pp. 94317:146.

--7810180181 IE Inspec Repts#50-020/78-04, 70-0089/78-02, 70-0194/78-02, 70-0095/78-02 & 70-0938/78-02 on 780809-18 during which no items of noncompliance were noted. Areas inspected: nuc matl control & accounting prog, inventory records. HLODY, D.J., BISHOP, P.H. Region 1, Philadelphia, Safeguards Branch. 78/08/30. 7pp. 94317:148.

DOCKETED ITEMS

7

7811300366 Forwards IE Inspec Rept#05000020/78-05 & Notice of Violation.
SMITH, O. H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch 78/10/18. 2pp 94116:303

--7811300377 Notice of Violation from Inspec on 780913-15
• Region 1, Philadelphia, Fuel Facility & Materials Safety Branch 78/10/18 1p. 94116:305

--7811300380 IE Inspec Rept#50-020/78-05 on 780913-15 during which 1 item of noncompliance was noted. Failure to submit a timely notice to NRC & failure to have a copy of a shipping container certificate.
BERABIAN, J. A., PLUMLEE, K. E., KNAPP, P. J. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch 78/10/05. 11pp 94116:306.

7812180078 Forwards IE Inspec Rept#50-020/78-07 on 781004 during which no items of noncompliance were noted.
CARLSON, R. T. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/11/03 2pp 94131:342

--7812180082 IE Inspec Rept#50-020/78-07 on 781004 during which no items of noncompliance were noted. Major areas inspected incl. fabrication & installation of new addl stainless steel heat exchanger in reactor coolant water sys.
SANDERS, W. P., EBNETER, B. D. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch 78/10/30. 3pp 94131:344.

7812060180 Ack receipt of 781107 ltr informing NRC of steps taken to correct violations noted during Inspec#50-020/78-06.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch 78/11/24. 1p. 94382:105

--7812060183 Responds to 781016 NRC ltr re deviations in Inspec Rept #50-020/78-06. MIT will apply for amend of tech specs to define frequency, permitting an extension of time interval between surveillance test & other functions by 25%.
CLARK, L. Massachusetts Institute of Technology. 78/11/07. 2pp. 94382:106.

--7812060194 Forwards IE Inspec Rept #50-020/78-06 & Notice of Violation.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/16 2pp. 94382:108.

--7812060203 Notice of violation from Inspec on 780927-29.
• Region 1, Philadelphia, Office of the Director. 78/10/16. 1p. 94382:110.

--7812060219 IE Inspec#50-020/78-06 on 780927-29 during which 1 item of noncompliance was noted Reactor Safeguards Comm meetings were too infrequent.
STETKA, T., GREENMAN, E. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/16. 7pp. 94382:111.

DOCKET 50-22 WESTINGHOUSE TEST REACTOR

G. Inspection reports, IE Bulletins & correspondence

7811030146 Forwards Addendum to Annual Inspec Rept For Lic#TR-2. Answers questions re isotopic composition & source of radioactivity in WTR canal water.
DIPATZ, R. P. Westinghouse Electric Corp. 78/10/31. 3pp. 02723:261

DOCKET 50-27 WASHINGTON STATE UNIV. RESEARCH REACTOR

F. Security, medical, emergency & fire protection plans

7811030014 Amend submitted in 780825 ltr is an admin mod of security plan & does not affect Facility security. Finds amend acceptable.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/17. 1p. 02720:282.

DOCKET 50-29 YANKEE-ROWE NUCLEAR POWER STATION

F. Security, medical, emergency & fire protection plans

7810200051 Comments on fire protec eval safe shutdown methods & contains attachments on safe shutdown methods, shutdown

7811020012 Forwards subj facil Fire Protec Review describing summary of staff positions, licensee response & status of corrective actions taken to satisfy staff concerns
LAIMAR, G. Plant Systems Branch (Pre 791030) 78/10/24. 38pp. 94331:193

7811070300 Notice of 781108 meeting w/util to discuss fire protection program, including fire brigade staffing & interim fire protection mode
BURGER, A. Operating Reactors Branch 2 (Pre 790625) 78/11/01 2pp 07893:033

7811130321 Forwards staff positions re eval of subj facil fire protec prog on 780925-28 identifies areas of concern in the prog not adequately addressed by YAE
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625) 78/11/01 53pp. 94087:069

7812050128 Forwards latest rev of mod amend security plan(MASP) to meet 780409 NRC comments. Encl w/held from pub disclosure pursuant to 2 790.
GROCE, R. H. Yankee Atomic Electric Co. 78/11/29 1p 94335:049

7812050210 Informs NRC of util's positions on outstanding fire protec issues. W/encl 781019 MA Firefighting Academy ltr to util re training prog
MODDY, D. E. Yankee Atomic Electric Co 78/12/01 14pp. 94331:216

7812190087 Describes util rev re interim fire brigade stie YAE has agreed to an interim fire brigade of 3 trained firefighters on each operating shift & to an hourly fire watch patrol util will also contract for firefighting course
MODDY, D. E. Yankee Atomic Electric Co. 78/12/13 2pp 94343:025

H. General correspondence

7810310159 Informs that for BER normal channel of oral communication will be followed, but to expedite reviews direct oral communication between subj facil staff & members of SEP branch is encouraged
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625) 78/10/10 2pp. 94090:216.

J. Insurance & indemnity information

7811240044 Forwards copy of York 780927 ltr re endorsements to the ANI & MAELU policies.
PARADISO, P. J. Marsh & McLennan, Inc., M & M Nuclear Consultants, Inc. Div. 78/10/10. 1p. 94455:267.

--7811240048 Forwards certified copies of a number of endorsements to ANI & MAELU policies. Copies of endorsements are encl along w/dates they were originally sent to J Balzman
YORK, R. N. New England Power Co. 78/09/27. 23pp. 94455:268

P. Operating license stage documents & correspondence

7811130100 Forwards initial eval of 8 complete SEP topics & response to request for clarification of SEP documentation procedures made at 780931 meeting. Requests response re facts used to define plants by NRC staff. (See ANDW7811130337)
EISENHUT, D. G. Assistant Director for Systems Engineering (Pre 791030). 78/08/17 2pp 94010:291

7810110177 Re meeting of 780905 subj facil. Will undertake evaluation of asymmetric LOCA loads. Evaluation will include study of magnitude of loads on reactor vessel supports dev of models, & preparation of seismic assessments.
VANDENBURGH, D. Yankee Atomic Electric Co. 78/10/03 2pp. 94069:102.

7810110163 Forwards addl info requested 780908 re reduction of incore neutron detector symbols, Tech Specs changes & commitment to constr core map from video tape of as-loaded core
JOHNSON, W. P. Yankee Atomic Electric Co. 78/10/04. 7pp. 94069:260

7810130127 Util will submit tabulated info requested in 780906 ltr 45 days later than requested.
GROCE, R. H. Yankee Atomic Electric Co. 78/10/06 1p 94003:059.

7810190158 Forwards Amend 51 to License #DPR-3 revising Tech Specs as requested in 780713 ltr w/safety evaluation & notice of issuance.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625) 78/10/06.

--7810190169 Amend 51 to License DPR-3 revising Tech Specs re limitation of crane travel over spent fuel pit & surveillance requirements for travel of over 900 lb loads over spent fuel pit.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/06 App. 94414:070

--7810190175 Safety evaluation supporting Amend 51 to DPR-3 concluding that rearrangement in pit of spent fuel racks, & installing new roof hatch over pit, & temporary gate support brackets in pit are acceptable
* Office of Nuclear Reactor Regulation, Director. 78/10/06. 8pp. 94414:074

--7810190182 Notice of issuance of Amend #51 to Facil Oper LIC #DPR-3 on 781006
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/06. 3pp. 94414:082.

7810260160 Objects to continuous NRC demands that until next addl criteria re overpressurization events, while NRC review process is unjustifiably lengthy & results only in requests for addl info. Believes \$4000 fee request is unauthorized
VANDENBURGH, D. Maine Yankee Atomic Power Co. 78/10/16. 5pp. 94059:343.

7810240085 Presents results of grout investigation described in 780925 ltr to NRC. Concludes that heavy metals are present which will affect pool water chemistry
JOHNSON, W. P. Yankee Atomic Electric Co. 78/10/18. 1p. 07893:046.

7811020247 Repts on review of B Systematic Eval Prog topic assessments. Confirms that 4 are applicable to subj facil & that it is essential that assessments be generalized enough to apply to all plants
VANDENBURGH, D. Yankee Atomic Electric Co. 78/10/20. 2pp. 94247:112.

7811030011 Forwards Safety Eval of Proposed Mode to ECCB Recirculation Sys (TAC7667).
LAIBAS, G. Assistant Director for Plant Systems. 78/10/26. 2pp. 02720:266.

7811000027 Requests addl info on EBF switchover from injection to recirculation mode, isolation of reactor protect sys from non-safety sys, EBF sys logic & design, & specific drawings of elec sys & complete plant elec drawing indices.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/26. 3pp. 94178:284

7811020246 Proposes mode to Amend A of Oper Lic #DPR-3. Would change Table 3-6-1 to reflect addition of 4 manual isolation valves which become containment isolation boundaries & are subj to type C tests
MINNICK, L. E. Yankee Atomic Electric Co. 78/10/30. 5pp. 94247:107.

7811240090 Returns 7 copies of Proprietary Drawing #001-33679, "N"-Pump, L.P.S. I, by Ingersoll-Rand Co which was submitted as encl to 780822 ltr but was not req for review completion. Only 8 copies were received & 1 was destroyed.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/06. 2pp. 94436:330

7811210223 Responds to 780908 appl for lic amend to permit facil oper w/planned loading pattern for Core 14 & requests addl info re fuel design, accident analysis & LOCA analysis.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/08. 3pp. 94486:333

7811140190 Describes 2 supporting analysis re core boron concentration following unlikely event of LOCA occurring during reactor vessel hydrostatic test on zero power physics test.
VANDENBURGH, D. Yankee Atomic Electric Co. 78/11/10. 2pp. 94384:278.

7811170201 Responds to 780711 NRC ltr requesting util to submit lic amend appl to incorp applicable Specs of Model Tech Spec. Util is having difficulty meeting response sched outlined in 780711 ltr due to sched refueling.
GRUCE, R. H. Yankee Atomic Electric Co. 78/11/13. 1p. 94047:339.

7811280080 Forwards Amend 52 to License DPR-3, safety evaluation & notice of issuance & availability.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/14. 2pp. 02728:145.

--7811280082 Amend 52 to License DPR-3, changing Tech Specs to permit operation w/mod to ECCB recirculation cooling subsystem.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/14. 29pp. 02728:147.

--7811280083 Safety evaluation supporting Amend 52 to License DPR-3
* Office of Nuclear Reactor Regulation, Director. 78/11/14. App. 02728:175

--7811280084 Notice of issuance & availability of Amend 52 to License DPR-3
WAMBACH, T. V. Operating Reactors Branch 2 (Pre 790625). 78/11/14. 2pp. 02728:179.

7811280430 Forwards draft Sys Eval Prog Safety inputs re Topic VIII-3 A. Station Battery Test Req. Requests they be transmitted to licensees.
DAVIS, D. K. Systematic Evaluation Programs Branch (Pre 790625). 78/11/14. 23pp. 94381:119.

7812130092 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. W/enc1 Registration Form & List of Locations
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 5pp. 94212:001.

7812190063 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc. Pur Plants" (NUREG-0133). W/o encl AND
7811270173 & 781127018.
GRUBBS, S. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94215:107.

7811240167 Requests auth to change Tech Spec by adding addl limit on Allowable Peak Rod Linear Heat Generation Rate for recycled fuel from Core XIII, assuring plant oper w/in limits defined by LOCA analyses for referenced fuel.
VANDENBURGH, D. Yankee Atomic Electric Co. 78/11/21. App. 94438:258.

7811240238 Forwards response to NRC questions requesting addl info on core performance analysis re:pt VAEC-1162. NRC questions have necessitated a Tech Spec change, which will be submitted shortly.
VANDENBURGH, D. Yankee Atomic Electric Co. 78/11/21. 18pp. 94438:231.

7811280221 Submits design & safety class info applicable to parts of alternate shutdown methods mod. Entire new sys piping designed per util Engineering Dept QA Manual & components purchased & installed per Operational QA Manual YODAP-1-A
GRUCE, R. H. Yankee Atomic Electric Co. 78/11/21. 1p. 94012:090

7812070158 Notification of 781208 seminar in King of Prussia, PA to discuss new model radiological effluent Tech Specs. Seminar info sheet & proposed agenda encl.
ORIEB, B. H. Region 1, Philadelphia. Office of the Director. 78/11/21. 8pp. 94375:184.

7811290255 Proposes amend to Tech Specs for facil lic. Proposed changes consist of wording changes & clarifications. None of the changes will alter scope or basis for any Tech Specs. Proposed amend attached w/check for \$1200.
VANDENBURGH, D. Yankee Atomic Electric Co. 78/11/24. 18pp. 94237:066.

7812060297 Requests comments on draft eval of Systematic Eval Prog topic 8-3 A re Station Battery Test Requirements.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/24. App. 94382:223.

7812110135 Forwards Amend 53 to License DPR-3, safety evaluation & notice of issuance & availability.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/24. 2pp. 94393:213.

--7812110139 Amend 53 to License DPR-3, changing Tech Specs by reducing neutron detector thimbles required to be operable from 17 to 12
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/24. 13pp. 94393:215.

--7812110143 Safety evaluation supporting Amend 53 to License DPR-3.
* Office of Nuclear Reactor Regulation, Director. 78/11/24. 9pp. 94393:228.

--7812110145 Notice of issuance & availability of Amend 53 to License DPR-3
SILVER, R. D. Operating Reactors Branch 2 (Pre 790625). 78/11/24. 2pp. 94393:235.

81Y0000
During current refueling shutdown ECCB Sys was mod resulting
in deletion of number of items from original list.
GROCE, R.H. Yankee Atomic Electric Co. 78/11/27. 53pp. 94456:173.

7812040234 Responds to 760924 NRC ltr request by forwarding Specs
3.4.10 & 4.4.10 to Append A to amend current Oper Lic. Also
forwards results of Nov 1978 Eddy Current Insps.
VANDEBURE, H.D. Yankee Atomic Electric Co. 78/11/27. 14pp.
94328:002

7812140040 Finds Yankee Pur Spike Model (YAEC-1140) acceptable. Forwards
eval & suppl.
RETD, R.W. Operating Reactors Branch 4 (Pre 790625). 78/11/27. 2pp

--7812140042 Safety Eval Rpt for Yankee Pur Spike Model. Finds model
acceptable. W/enc1 BER Suppl #1 dtd Aug 1978.
• Operating Reactors Branch 4 (Pre 790625). 78/11/27. 13pp.
94126:315.

7812100004 Discusses possible dangers of LOCA in containment purging
during normal plant oper. Requests either commitment to limit
purging or justification for continuing. W/enc1 ANO:
#7812080207.
ZIEHANN, D.L. Operating Reactors Branch 2 (Pre 790625). 78/11/29.
8pp. 94339:157.

7812080116 Transmits current sched for mech struc work prog for
BEP/Asymmetric LOCA loads re subj facil. Activities involve
dev of analytic models, seismic assessments & piping
analyses.
VANDEBURE, H.D. Yankee Atomic Electric Co. 78/12/04. 2pp.
94104:361.

7812140340 Authorizes refund of \$4,000 Class III amend fee submitted in
781000 ltr. NRC has determined that waiver of fee is
appropriate.
DIOGB, R.M. License Fee Management Branch. 78/12/05. 1p.
03557:164.

7812210295 Forwards Amend 54 to License DPR-3, safety evaluation &
notice of issuance & availability.
ZIEHANN, D.L. Operating Reactors Branch 2 (Pre 790625). 78/12/06.
2pp. 94167:323.

--7812210301 Amend 54 to License DPR-3, revising Tech Specs re facility
operation w/refueled Core 14, performance of subsequent steam
generator insap 1A/ Section 3/4.4.10 & inclusion of four
containment isolation valves in Table 3.6-1.
ZIEHANN, D.L. Operating Reactors Branch 2 (Pre 790625). 78/12/06.
40pp. 94168:001.

--7812210308 Safety evaluation supporting Amend 54 to License DPR-3.
• Office of Nuclear Reactor Regulation, Director. 78/12/06.
14pp. 94168:004.

--7812210312 Notice of issuance & availability of Amend 54 to License
DPR-3.
ZIEHANN, D.L. Operating Reactors Branch 2 (Pre 790625). 78/12/06.
2pp. 94168:018.

7812280117 Emphasizes importance of submitting accurate & complete info
to NRC by licensees & applicants. Info submitted must be
substantiated by data & calculations. Licensee must notify
NRC of any inaccuracies or enforcement action will result.
DAVIS, J.O. Office of Inspection & Enforcement, Office of the
Director. 78/12/06. 2pp. 94310:211.

7812150115 Requests addl info from BEP licensees re elec penetrations
of reactor containments in order to complete eval.
ZIEHANN, D.L. Operating Reactors Branch 2 (Pre 790625). 78/12/08.
4pp. 94212:149.

7812210034 Forwards NUREG-0485, Vol 1, No 2 "Status Summary Rept-Sys Eval
Prog." w/o enc1.
ZIEHANN, D.L. Operating Reactors Branch 2 (Pre 790625). 78/12/08.
2pp. 94267:352.

7812140145 Responds to 781026 & 1124 NRC requests for addl info re
Systematic Eval Prog topics. Provides info on automatic ECCB
realignment, qual of isolation devices, eng'd safety features
& station battery test requirements.
GROCE, R.H. Yankee Atomic Electric Co. 78/12/12. 2pp. 94133:342.

7812200230 Forwards drawings re several BEP elec topics, as requested in
781026 NRC ltr. Drawings available in Central Files.
GROCE, R.H. Yankee Atomic Electric Co. 78/12/13. 1p. 94288:359.

G. Inspection reports, IE Bulletins & correspondence

7810160236 Forwards IE Bulletin 78-12, "Atypical Weld Material in
Reactor Pressure Vessel Welds" requesting action w/in 60
days & list of IE Bulletins issued in 1978
(see ANO#7810040253)
GRIER, B.H. Region 1, Philadelphia, Office of the Director
78/09/29. 6pp. 94004:331.

7812010277 Forwards IE Insp Rept 50-029/78-14 on 780926-28. No
noncompliance noted.
BRUNNER, E.J. Region 1, Philadelphia, Reactor Operations Nuclear
Support Branch. 78/10/10. 2pp. 94417:225

--7812010278 IE Insp Rept 50-029/78-14 on 780926-28. No noncompliance
noted. Major areas inspected: preparations for refueling, ECCB
procedures & in-office review of monthly operating repts.
Inspector assisted fire protection survey team.
LAZARUS, W.J. Region 1, Philadelphia, Office of the Director
78/10/06. 4pp. 94417:227.

7810160181 Forwards IE Circular #78-17 (See ANO 7810230221, Docket
#50-133, 781013.)
GRIER, B.H. Region 1, Philadelphia, Office of the Director
78/10/13. 1p. 94489:134.

7812010106 Forwards IE Insp Rept 50-029/78-15 on 780925-28. No
noncompliance noted.
CARLSON, R.T. Region 1, Philadelphia, Reactor Construction &
Engineering Support Branch. 78/10/18. 2pp. 94418:001

--7812010111 IE Insp Rept 50-029/78-15 on 780925-28. No noncompliance
noted. Major areas inspected: arrangement of safety-related
equipment, fire hazards, fire protection equipment &
administrative controls.
PAOLINO, R.J. Region 1, Philadelphia, Office of the Director.
EBNETER, B.D. Region 1, Philadelphia, Reactor Construction &
Engineering Support Branch. 78/10/17. 4pp. 94418:003

7811290151 Forwards IE Circular #78-18, "UL Fire Test." W/enc1 ANO:
7811150002.
GRIER, B.H. Region 1, Philadelphia, Office of the Director.
78/11/06. 1p. 94239:344.

7812010146 Responds to IE Bulletin 78-12. Requests time extension unt
790131 to provide record searches requested.
GROCE, R.H. Yankee Atomic Electric Co. 78/11/13. 1p. 94418:088.

7812180026 Forwards IE Bulletin #78-12A, Suppl to IE Bulletin 78-12.
W/enc1 ANO: 7811300035.
GRIER, B.H. Region 1, Philadelphia, Office of the Director.
78/11/24. 1p. 94130:335.

R. Periodic operating reports & related correspondence

7810170176 Forwards Monthly Statistical Rept for Sept 1978
MOODY, D.E. Yankee Atomic Electric Co. 78/10/10. 1p. 94270:083

--7810170178 Monthly Statistical Rept 78-9 for Sept 1978.
BUJGREN, R.M. Yankee Atomic Electric Co. 78/10/06. 3pp.
94270:084.

7811140120 Forwards Monthly Statistical Rept for Oct 1978
MOODY, D.E. Yankee Atomic Electric Co. 78/11/10. 1p. 94425:205.

--7811140122 Monthly Statistical Rept 78-10 for Oct 1978.
BUJGREN, R.M. Yankee Atomic Electric Co. 78/11/10. 5pp.
94425:206.

7812150286 Forwards Monthly Statistical Rept for Nov 1978
MOODY, D.E. Yankee Atomic Electric Co. 78/12/11. 1p. 94409:185

--7812150288 Monthly Statistical Rept 78-11 for Nov 1978.
BUJGREN, R.M. Yankee Atomic Electric Co. 78/12/11. 4pp.
94409:186.

B. Reportable occurrences, LERs & related correspondence

7810180008 Forwards LER#78-023/03L-0.
AUTIO, H.A. Yankee Atomic Electric Co. 78/10/13. 1p. 94422:007

--7810180009 LER 78-023/03L-0 on 780913 during 5-h shutdown dose equivalent I-131 concentration of primary coolant sys exceeded 1.0 rCi/g dose equivalent of I-131. Caused by cladding defect in single fuel rod
BOUTWELL, R. L. Yankee Atomic Electric Co 78/10/13 4pp. 94422 009

7810180015 Forwards LER#78-024/03L-0
AUTID, H. A. Yankee Atomic Electric Co 78/10/13 1p 94422 004

--7810180017 LER#78-024/03L-0 on 780913 during unscheduled shutdown, steam generator blowdown chloride concentration exceeded 0.5 ppm
Caused by phenomenon of "hidout" of impurities in steam
MAY, E. L. Yankee Atomic Electric Co 78/09/13 2pp 94422:005

7810240152 Forwards LER 78-025/03L-0
AUTID, H. A. Yankee Atomic Electric Co 78/10/18 1p 07893 047.

--7810240154 LER#78-025/03L-0 on 780918 during normal over source check failed to give proper response while performing surveillance on Main Coolant Sys Leakage Air Particulate Monitor Caused by end of life of photomultiplier & electron tubes
* Yankee Atomic Electric Co 78/10/18 2pp 07893 048

7810240156 Forwards LER 78-026/03L-0
AUTID, H. A. Yankee Atomic Electric Co 78/10/18 1p 07893 050

--7810240163 LER 78-026/03L-0 on 780918, while checking primary vent stack monitoring equipment during Mode 1 operation, plastic container used to collect condensation from primary vent stack monitor air dryer was found leaking.
* Yankee Atomic Electric Co. 78/10/18 2pp 07893 051

7811090145 RD 50-029/78-29 during Mode 4 refueling shutdown w/#23 guide tube removal being initiated, load increased above normal base load & anticipated guide tube weight observed. Caused by incorrectly set load cell.
AUTID, H. A. Yankee Atomic Electric Co. 78/11/06 2pp 94042 360.

7811280473 Reportable Occurrence#50-29/78-29 during Mode 4 refueling shutdown, guide tube weight fluctuated 100-300 lbs above base load. Caused by manipulator load cell set incorrectly.
AUTID, H. A. Yankee Atomic Electric Co 78/11/06 2pp 94379:356

7811170200 RD 50-29/78-30 on 781109, approx 100% eddy current exam of steam generators 1 & 4 revealed that 15 tubes in steam generator 1 & 12 tubes in steam generator 4 have degraded tubes of more than 40% wall thickness.
AUTID, H. A. Yankee Atomic Electric Co 78/11/09 1p 94136 082.

7811170211 RD 50-29/78-31 on 781113, abnormal degradation found in fuel cladding in following through on cause for RDs 77-53, 78-03, 78-19 & 78-23, slipping of spent fuel from Core B completed & three suspect fuel assemblies identified
AUTID, H. A. Yankee Atomic Electric Co 78/11/13 1p 94136 112.

7811300378 Reportable Occurrence 50-29/78-31 Abnormal degradation discovered in fuel cladding while following through on other reportable occurrences. Complete rept to follow w/in 2 wks.
AUTID, H. A. Yankee Atomic Electric Co 78/11/13 1p 94136 251.

7811210317 Forwards LER#78-029/01T-0
AUTID, H. A. Yankee Atomic Electric Co 78/11/15 1p 94468 059.

--7811210325 LER 78-029/01T-0, on 781101, during refueling while removing guide tubes, an auxiliary set of latches closed on #23 control rod drive shaft Manipulator handling tool loads cell controller was readjusted.
ARON, R. Yankee Atomic Electric Co. 78/11/15 2pp. 94488 056

7811280290 LER#78-027/03L-0 on 781021, during shutdown, steam generator's chloride concentration exceeded 0.5 ppm Caused by steam generator's chem hidout.
BOUTWELL, R. L. Yankee Atomic Electric Co 78/11/20 1p. 94395:235.

7811280284 Forwards LER 78-027/03L-0
AUTID, H. A. Yankee Atomic Electric Co. 78/11/20 1p 94395 234.

7811280328 Forwards LER#78-028/03L-0
AUTID, H. A. Yankee Atomic Electric Co. 78/11/20 1p. 94395:348.

--7811280332 LER#78-028/03L-0 on 781021, during test OP-4502, two safety valves, Type HB36 Style HC65 & Type 8033 Style HC65 mfg by Crosby Valve & Gage Co., had low setpoints. Setpoint drift was caused by spring characteristic changes.
MAY, E. L. Yankee Atomic Electric Co. 78/11/20 2pp. 94395:349.

7811280323 LER#78-030/01T-0 on 781109, during eddy current test tubes in #1 & 12 tubes in #4 steam generators had greater than 40% wall degradation. Degradation of one tube caused by mfg defect; other causes unknown.
MAY, E. L. Yankee Atomic Electric Co 78/11/22 3pp. 9439

7811280314 Forwards LER#78-030/01T-0
AUTID, H. A. Yankee Atomic Electric Co 78/11/22 1p 943

7811290198 Forwards LER#78-031/01T-0
AUTID, H. A. Yankee Atomic Electric Co 78/11/25 1p 942

--7811290203 LER#78-031/01T-0 on 781111, during Core XIII-XIV shutdown, fuel sipping revealed degradation of fuel cladding in assemblies #A493E, B502E, B490E & B482E. Cause is under investigation by Eicon.
BOUTWELL, R. L. Yankee Atomic Electric Co. 78/11/25 1p 94239:300

7812010224 LER#78-028/03L-1 on 781021 during test OP-4502, 2 valves mfg by Crosby Valve & Gage, were found to have setpoints lower than Tech Specs limits. Cause is unknown. Valves reset & will be retested before startup.
MAY, E. L. Yankee Atomic Electric Co. 78/11/27 2pp.

DOCKET 50-30 PLUM BROOK RESEARCH REACTOR FACILITY

P. Operating license stage documents & correspondence

7812180435 Submits conformed copies of seismic analysis & con info re subj facil IAH 771107 request. Believes seismic analysis gives assurance that facil can be oper safely w/in present tech specs.
DARMITZEL, R. W. General Electric Co 77/11/29 42pp. 943

DOCKET 50-54 UNION CARBIDE RESEARCH REACTOR

F. Security, medical, emergency & fire protection plans

7812270164 Forwards Physical Security Plan changes. Revisions from pub disclosure pursuant to 2 750
PARADISO, J. W. Union Carbide Corp. 78/12/20 1p 94018:0

J. Insurance & indemnity information

7812290157 Requests explanation as to why UCC is asked to add to Indemnity Agreement B-14 re assessment of deferred premiums when it has no relevance to the five megawatt thermal res reactor owned by UCC.
VOTH, M. H. Union Carbide Corp. 78/12/21 1p. 94190:291.

P. Operating license stage documents & correspondence

7811160147 Forwards ltr re appl of 10CFR73.50 requirements to site whenever total U-235 in unirradiated fuel elements & irradiated & unirradiated target matl exceeds 5,000 & notes inapplicability to facil. Proprietary info w/held
VOTH, M. H. Union Carbide Corp. 78/11/10 1p. 94135:263.

7812190091 Forwards final draft of Tech Specs & recommends compliance w/new specs.
GEORGE, K. D. Union Carbide Corp. 78/12/15 2pp. 94341:01

DOCKET 50-57 STATE UNIV. OF NEW YORK RESEARCH REACTOR

H. General correspondence

7810300187 Notifies NRC of respondent's appointment as Acting of Nuc Science & Tech Facil at SUNY/Buffalo, & other appointments.
CHON, W. Y. New York, State Univ. of, Buffalo 78/07/25 1p 94034:003

P. Operating license stage documents & correspondence

7811280092 Reminder that subj facil lic expires on 780915 & requires timely appl w/encl "Lic Renewal Review Items."
REID, R. W. Operating Reactors Branch 4 (Pre 790623). 78/11 02726:328.

G. Inspection reports, IE Bulletins & correspondence

7810190104 Ack receipt of 780919 ltr informing NRC of steps taken to correct violations noted during Inspec#50-057/78-04
MARTIN, W. G. Region 1, Philadelphia, Safeguards Branch 78/09/29
1p 94413 280.

--7810190107 Forwards IE Inspec Rept#50-057/78-04 & Notice of Violation.
MARTIN, W. G. Region 1, Philadelphia, Safeguards Branch. 78/08/30
2pp 94413 279

--7810190116 IE Inspec Rept#50-057/78-04 on 780726-28 during which 2 items of noncompliance were noted. Security Organization- quarterly audit not performed first quarter 1978, & Surveillance-dates clock checks not conducted by police
BAILEY, R. J., SMITH, R. Region 1, Philadelphia, Safeguards Branch. 78/08/14 1p. 94413 281.

DOCKET 50-59 TEXAS A&M UNIV RESEARCH REACTOR

7811020277 Value/Impact Assessment of Guidance to Applicants relative to Emergency Planning Requirements for Research Reactors
Recommendations Reg Guide.
REID, R. W. Operating Reactors Branch 4 (Pre 790625) 78/10/12 4pp.
94260 272.

F. Security, medical, emergency & fire protection plans

7811030222 Forwards copies of Reg Guide 2 XX and Final draft ANS 15.16 to assist in formulation of emergency plan for subj facil.
w/o encl.
REID, R. W. Operating Reactors Branch 4 (Pre 790625) 78/10/12 1p
02724 231.

7812220079 Forwards "Emergency Plan for TXAM Univ AGN-201M Reactor."
MILLER, J. Texas A & M Univ. 78/12/18 1p. 94343 300

--7812220080 "Emergency Plan for TXAM Univ AGN-201M Reactor (Serial 106) as Mod to Incl ANS 15.16 & Reg Guide 2 XX Guidance"
* Texas A & M Univ. 78/12/12. 24pp 94343 301.

P. Operating license stage documents & correspondence

7811020272 Forwards proposed Reg Guide 2 XX w/ Value/Impact Assessment & final draft ANS 15.16 re emergency planning as assistance for rev Memphis State Univ Tech Spec rev.
REID, R. W. Operating Reactors Branch 4 (Pre 790625) 78/10/12. 1p.
94260 241.

--7811020274 Proposed NRC Reg Guide 2 XX, "Emergency Planning for Research Reactors".
REID, R. W. Operating Reactors Branch 4 (Pre 790625) 78/10/12
44pp. 94260 242.

--7811020298 Draft "Std for Emergency Planning for Research Reactors." Identifies elements & procedures of emergency plan re coping w/ emergencies & minimizing consequences of research reactor accidents.
RICHARDS, W. American Nuclear Society 77/12/30 14pp.
94260 276

7812150258 Responds to 781012 NRC ltr & forwards mods to Tech Specs as rev Append A to lic(R-23)renewal appl of 770531. Tech Specs rev to incl ANSI N378-1974 & Reg Guide 2.2 guidance.
MILLER, J. E. Texas A & M Univ. 78/12/11. 30pp. 94213 126.

G. Inspection reports, IE Bulletins & correspondence

7812180421 Forwards Inspec Rept#50-059/78-01 on 781107-08 during which no items of noncompliance were noted.
MADSEN, O. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/12/01. 2pp. 94358 342.

--7812180424 Inspec Rept#50-059/78-01 on 781107-08 during which no items of noncompliance were noted. Major areas inspected incl: implementation of Physical Security Plan relative to BNM protection, address control, alarm sys, locks, keys & hardware.
WARD, J. J., EVANS, C. A., MADSEN, O. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/12/01 1p. 94358 344

DOCKET 50-62 UNIV OF VIRGINIA RESEARCH REACTOR

P. Operating license stage documents & correspondence

7812200222 Requests amend of Tech Spec Sec 4.1 C re visual inspection boron-stainless steel safety rods for Lic#R-66 Amend also requested for change in Tech Spec Sec 1.12d for Lic#R-66 & Sec 1.13d for Lic#R-123; wording is unnecessarily vague
WILLIAMSON, T. O. Virginia, Univ of 78/07/14. 2pp 94162 303.

7811010102 Responds to IE Bulletin 78-08 Bulletin does not apply to subj facility as reactor has no such tube; IE Bulletin 78-07, does not apply.
WILLIAMSON, T. O. Virginia, Univ. of 78/08/31 1p. 94381 344

7811030063 Responds to 770309 appl for renewal of Facil Oper Lic#R-66 UVA Res Reactor Requests addl info re financial considerations & emergency planning w/in 60 days
REID, R. W. Operating Reactors Branch 4 (Pre 790625) 78/10/16
02723 318

7811080179 Offers comments on NRC regs for self protecting BNM in reactor fuel element. Asserts that weakness in spec is that dose rate is not connected w/ specific quantity of BNM
Supporting documentation from med treatises encl
WILLIAMSON, T. O. Virginia, Univ of 78/10/30 21pp

7812200232 Requests amend for Facil Oper Lic#R-66, to rev sections 3.4 & 6 of Tech Specs to allow oper of reactor when Emergency Exit Manhole Hatch is closed, in order to enhance reactor security
WILLIAMSON, T. O. Virginia, Univ. of. 78/12/11 2pp 94162 319.

7812200221 Requests approval of amend to Facil Oper Lic#R-66 allow Univ to receive, possess & use Np237. Matl will be used for neutron dosimetry in an irradiat test of pressure vessel steels
WILLIAMSON, T. O. Virginia, Univ. of. 78/12/18 1p. 94162 302

7812260144 Provides info requested in NRC 781016 ltr re lic renewal items. Info incl financial & environ considerations, & gen info concerning Univ
WILLIAMSON, T. O. Virginia, Univ of 78/12/18. 28pp 94161 197

7812290007 Forwards Amend#12 to Facil Lic#R-66 & Safety Eval
REID, R. W. Operating Reactors Branch 4 (Pre 790625) 78/12/19.
94207 321

--7812290008 Amend #12 to Facil Lic#R-66, changing Tech Spec re surveillance of safety rods
REID, R. W. Operating Reactors Branch 4 (Pre 790625) 78/12/19
4pp. 94207 323

--7812290010 Safety Eval supporting Amend#12 to Facil Lic#R-66 Conc issuance of amend will not be inimical to public or national interests
* Office of Nuclear Reactor Regulation, Director 78/12/19.
94207 327.

DOCKET 50-70 GENERAL ELECTRIC TEST REACTOR

7809260256 Response to 771219 ltr. Hasekawa to Former Chairman M. R. re NRC allowing interim oper by Gen Elec Co of its GETR facil pending completion of pub hearings. Decision to allow interim oper rests with ABLB
DIRCKS, W. J. Office of the Executive Director for Operations. 78/02/07. 2pp. 01384 028

A. Application/construction stage documents & correspondence

7810230144 Ack receipt of 780818 proposed site fault investigation. Expects that NRC safety eval could be issued by Jan 1979
REID, R. W. Operating Reactors Branch 4 (Pre 790625) 78/09/27.
94164 083.

7812000088 Responds to 781015 ltr to J Hendrie re subj facil. Rept eval of both facil continues & that discharges of tritium have been small fraction of reg limits of 10CFR Part 20.
W/out encl NRC eval of site.
DENTON, H. R. Office of Nuclear Reactor Regulation, Director. 78/11/13. 2pp. 94218 344.

FOIA, A Affiliation Unknown. 78/11/06 1p. 94252:296.

G. Adjudicatory correspondence

7810230026 Forwards "Gen Elec Co Establishment of ASLB to Rule on Petitions", to be pub in Fed Register 771116 Mail to be charged to requisition #D-149
CHILKA, B. J. Office of the Secretary of the Commission 77/11/11.
1p. 94169:265.

--7810230030 Notice of "Establishment of ASLB to Rule on Petition", to be pub in 771116 Fed Register
YORE, J. R. Atomic Safety and Licensing Board Panel. 77/10/21.
2pp. 94169:267.

7810110268 "Intervenor's Answers to Licensee's Interrogatories dtd 780626" gave reasons why certain info cannot be provided & agrees that nuc reactors should not be located near earthquake faults.
DELLUMS, R. V. House of Rep. 78/09/18 3pp. 94068:001

7810110271 "Intervenor's Discovery Status Rept" listing all documents received & sent out since 780816 in QETR Show Cause proceedings
DELLUMS, R. V. House of Rep 78/09/22. 3pp. 94068:041.

7810300062 Intervenor's Interrogs to the Gen Elec Co re piping in subj facil. W/enc1 Cert of svcs.
BALDWIN, W. A. Baldwin, W. A. 78/09/25. 3pp. 94039:283.

7810190193 Intervenor's Discovery Status Rept. Lists what FDE has received to date
BALDWIN, W. A. Friends of the Earth. 78/09/27. 3pp. 94270:017.

7810140109 Believes that reopening subj facil would pose a severe threat to his health & safety. Requests limited appearance at public hearings.
TRAMBLEASURE, L. Affiliation Unknown. 78/09/28. 1p. 94002:242.

7810120019 Responds to 780929 request for copy of Staff draft rept on earthquake potential. W/enc1 780817 rept "Show Cause Proceeding Safety Evaluation Rept Input, GE Test Reactor Site /Vallecitos Nuc Center".
TREBY, S. A. Office of the Executive Legal Director. 78/09/29. 38pp. 94330:133.

7810140113 Denies request of N Snow, acting on behalf of intervenor R. Dellums that USOS provide estimates of maximum strong ground motion & surface offset at site of subj facil.
LUTON, E. Atomic Safety and Licensing Board Panel. 78/10/03. 2pp.

7810140130 Bd has yet to receive opinions re subj facil that were to be transmitted via Congressman Dellums by the US Attorney General & House Select Committee on Ethics.
" Atomic Safety and Licensing Board Panel. 78/10/03. 1p. 94466:360.

7810130188 Order re intervenors' motion for order suspending preparation of SER pending results of hearing. NRC will show neither the SER nor any contributing staff member was biased by ex parte communications.
LUTON, E. Atomic Safety and Licensing Board Panel. 78/10/03. 3pp. 94003:136.

7810300223 NRC Staff's Answer to Intervenor's Motion for Reference of Questions. Intervenor's are Friends of the Earth & Congressman Ronald Dellums. NRC Staff opposes their motion dtd 780913 Certificate of Svcs encl.
CHANDLER, L. J. Office of the Executive Legal Director. 78/10/03. 6pp. 94034:089.

7810230084 Intervenor's Response to Licensee's Cross-Motion for Imposition of Sanctions. Licensee had filed request for imposition of Sanctions against intervenors for not answering interrogs. Requests GE 780928 motion be denied.
BALDWIN, W. A. Friends of the Earth. DELLUMS, R. V. House of Rep. 78/10/06. 12pp. 94170:146.

7810230009 NRC Staff Response to Licensee's Cross Motion for Imposition of Sanctions. Staff Recommends that in lieu of such action, the Bd direct Intervenor's, Congressman Ronald Dellums & Friends of the Earth, to state their intentions re Bd's order.
SWANSON, D. T. Office of the Executive Legal Director. 78/10/10. 6pp.

7811200044 Responds to 781013 ltr requesting that Test Reactor be shutdown permanently because of tritium seepage. Facil is shut down because of potential for surface faulting, not seepage, which is w/in reg limits. W/o Show Cause Order encl.
DENTON, H. R. Office of Nuclear Reactor Regulation, Director. 78/10/13. 1p. 94215:325.

7811070361 Requests Gen Elec Nuc Test Reactor remain closed until proper seismic & geological tests are concluded. Also expresses concern over tritium which may be seeping into ground water from facil. Requests info re hearings on facil.
DELFINO, J. B. Affiliation Unknown. 78/10/15. 1p. 94043:200

781130246 Intervenor R Dellums' discovery status rept, listing documents received & sent re proc re subj facil since 780922. Cert of Svcs encl.
DELLUMS, R. V. House of Rep. 78/10/23 3pp 94011:279.

7811020241 Denies licensee GE's cross-motion for imposition of sanctions upon intervenors Dellums & Burton for failure to respond to GE's discovery requests. Denies intervenors' request for referral of 780814 ruling to NRC.
LUTON, E. Atomic Safety and Licensing Board Panel. 78/10/24. 13pp. 94247:090.

7811290297 Ack 781003 ltr participation as intervenor in QETR Vallecitos Nuc Center proc. States legal counsel approves representation at proc.
DELLUMS, R. V. House of Rep. 78/10/26. 2pp. 94239:260.

--7811290304 States informal views re participation as intervenor. Members of Congress are permitted to furnish representational svcs for private parties in proc before Fed agency if no compensation is received. W/Cert of Svcs.
KEUCH, R. L. Justice, Dept. of Attorney General's Office. 78/06/26. 4pp. 94239:262.

7811200064 States that since the last status rept, staff has neither received nor issued any new discovery requests re subj facil.
SWANSON, D. T. Office of the Executive Legal Director. 78/11/02. 1p. 94215:351.

7811270049 Requests to be informed of all hearings re subj facil. Absolutely opposes all facil oper until completion of adequate seismic studies, pub hearings & consideration of all evidence. QETR & Pu labs must be shut down & lic revoked.
LEWIS, A. B. Affiliation Unknown. 78/11/05. 1p. 94260:361.

7812040348 Intervenor's Discovery Status Rept. Lists correspondence sent & received since last Status Rept.
BARLOW, Q. Friends of the Earth. 78/11/07. 3pp. 94489:308.

7812040360 Forwards 780929 memo from ofc of Nuc Reactor Reg to Comm re results of recent fire protec res test by Underwriters lab. W/enc1 AND: 7810050359.
SWANSON, D. T. Office of the Executive Legal Director. 78/11/07. 14pp. 94127:149.

7811210451 Licensee GEVN's discovery status rept. Interrogs were submitted by Rep R Dellums on 780808 & 780818; licensee responded on 780821 & 780830, respectively. Cert of svcs encl.
EDGAR, G. L. Morgan, Lewis & Bockius. 78/11/08. 8pp. 94480:344.

7811300393 Requests that subj facil be kept closed because of the unspeakable threat its operation would pose for the pub.
HANK, C. Affiliation Unknown. 78/11/10. 1p. 94136:300.

7812010323 Strongly supports keeping subj facil closed. Believes it is an unspeakable great danger to present & future generations.
HANK, C. Affiliation Unknown. 78/11/10. 1p. 94417:324.

7811220133 Grants intervenors' 780818 motion for order compelling responses to their 780803 interrogs by licensee Gen Elec. Denies licensee's cross-motion for protective order re this discovery.
LUTON, E. Atomic Safety and Licensing Board Panel. 78/11/13. 1p. 94074:259.

7811220137 Denies Motion of intervenors Dellums, J Burton & P Burton for licensee Gen Elec to make photographs in verification of primary & secondary cooling pipes & support locations. GEVN Motion for protective order is granted.
LUTON, E. Atomic Safety and Licensing Board Panel. 78/11/13. 1p. 94074:253.

Friends of the Earth. 78/11/15 2pp 94203 230

tes opposition to subj Facil Requests order halting
tritium into groundwater.
Affiliation Unknown 78/11/15 1p 94306 323.

ervenora Response to NASLB Memorandum & Order dtd 781024
refuse to reveal names of any persons aiding
unless intervenors intend to call these persons
Cent of Svc encl.
House of Rep. 78/11/15 2pp. 94278: 272.

enase OEVN's Response to ASLB Memorandum & Order of
ing intervenors Friends of the Earth & Dellums
a OEVN interrgs. Responses are nonresponsive,
s imposing of sanctions Cent of Svc encl.
Morgan, Lewis & Bockius. 78/11/17. 5pp. 94071: 304.

uests subj facil remain closed until it can be shown that
h & safety are completely assured.
Affiliation Unknown. 78/11/20 1p. 94306: 327.

ervenors' Response to Discovery Requests " Intervenors.
he Earth do not believe production of Btolsman
in response to any discovery requests
preliminary rept Cent of Svc encl.
Friends of the Earth. 78/11/27. 6pp. 94407: 311.

Staff's Answer to intervenors FOTE's & R Dellums' request
refusal to answer licensee OEVN's interrgs by
Comm Staff urges that request be denied & that
ed from discovery. W/Cent of Svc.
Office of the Executive Legal Director. 78/11/29
310.

enase OE's Answers to intervenor R Dellums's interrgs
tions concern fuel flooding sys, containment
uum relief sys & other topics re safety of subj
vits & Cent of Svc encl.
GILLILAND, D.L.; DARMITZEL, D.W. General Electric Co.
pp. 94347: 334.

ects error in "NRC Staff answer to intervenors' Request
& Licensee's Motion for Imposition of
dtd 781129. On p2 "denied" should read "granted."
ts Licensee's request to impose sanctions.
Office of the Executive Legal Director 78/12/05 1p.

response

uests appearance at all showcause hearings re subj
permanent & complete closing of subj facil due
ion on a capable fault
on Unknown. 78/09/10. 1p. 94088: 203.

osse restart of subj facil.
Affiliation Unknown. 78/09/30. 1p. 94412: 225.

resses concern re permanent & complete closing of subj
ted waste & earthquake hazards Requests notice
te of any NRC hearing related to the status of
Affiliation Unknown. 78/11/04 2pp. 94273: 299.

ponds to 781015 ltr opposing reopening of subj facil.
lic process. Recipient is incl in Svc list of
give notice of hearings on subj (See: AND

Office of Nuclear Reactor Regulation. Director.
pp. 94449: 196.

ponds to 781020 referral ltr re 781019 ltr of H Welch by
safety-related design repts explaining safety
of 21 reactors w/OE Mark I containment W/encl
ltr to Welch & congressional correspondence.
Office of the Executive Director for Operations.
3pp. 03958: 090.

urges subj facil shutdown decision be made permanent by NRC.
info re status of 150kg of plutonium stored at subj
Affiliation Unknown. 78/10/15. 1p. 03958: 108.

D. Advisory Committee on Reactor Safeguards reports & correspondence

7811010220 Comments on 780824 meeting at Facility Believes that if
Verona Fault exists, no threat to facility exists Strong
earthquake is possible
PAGE, B.H. Stanford Univ. 78/08/25 1p. 94392: 021.

7811020313 Believes no final conclusions can be drawn from 780824
meeting at subj Facil re seismic studies of subj site
THOMPSON, G.A. Stanford Univ. 78/08/25 1p 94256: 025

P. Operating license stage documents & correspondence

7812180404 Forwards form reply sent in response to pub inquiries re
pending lic renewal appls. Forwards mailing list for notices
to be issued on renewal appls.
BURGER, A. Operating Reactors Branch 1 (Pre 790625). 77/05/06. 4pp.
94357: 087.

7812180408 Forwards draft ltr outlining NRC review process as
background info for QETR review. Requests comments
HANCHETT, J.O. Region 5, San Francisco. Office of the Director.
77/05/06. 4pp 94357: 101.

7812150069 Requests submittal of addl site-related info w/in 30 days.
SCHWENGER, A. Operating Reactors Branch 1 (Pre 790625). 77/05/20
2pp 94210: 190

7812180355 Reports on briefing by D Hard re detailed field mapping that
has identified a number of faults w/relatively young
geological movement near subj facil.
STEPP, J.C. Geosciences Branch. 77/09/12 2pp. 94356: 073

7812180357 Summarizes 770803 meeting re discussion of seismic reveal of
subj facil. Concluded that addl info re site seismic &
geologic info is needed from Gen Elec
BURGER, A. Operating Reactors Branch 1 (Pre 790625). 77/09/15 4pp.
94356: 075

7812180414 Summarizes 770831 briefing on Gen Elec's Phase I
Geological Investigation which presented a new map of
Livermore Valley & interpreted the geology & seismology of
area around Greenville & Las Positas Faults.
BURGER, A. Operating Reactors Branch 1 (Pre 790625). 77/09/15. 4pp.
94357: 148.

7812180411 Discusses rereview re ability to cool core assuming cooling
water absence of Full seismic design capability. Because of
various assumptions, staff must have reasonable assurance
of items withstanding seismic forces.
SCHWENGER, A. Operating Reactors Branch 4 (Pre 790625). 77/10/04.
11pp. 94357: 112.

7812210127 Requests that Geology & Seismology Branch provide tech
assistance to Div of Operating Reactors in the geology &
seismology review of the subj facil as discussed in enclosed
TAC#7062 W/o encl.
BTELLO, V. Division of Operating Reactors. 77/10/04. 1p
94269: 318.

7812200053 "Review of Severe Weather Meteorology at Gen Elec Co
Vallecitos, CA." Provides calculations & info for determining
characteristics of design-basis storm.
FUJITA, T.T. Argonne National Laboratory. 77/05/31. 23pp.
94199: 063.

7812190225 Summarizes 771024 conversation w/OE & consultants to
determine OE's plans for further investigations of faulting
near Vallecitos facil & status of investigations.
STEPP, J.C. Geosciences Branch 77/10/25. 2pp. 94381: 250.

7810130107 Notice of meeting w/OE on 771029 to provide info to justify
resuming oper of QETR.
DOLLER, K.R. Division of Operating Reactors. 77/10/27. 1p.
94003: 167.

7812180330 Forwards rept on status of assessment of geology &
seismology at QETR site, dtd 771025.
GAMMILL, W.P. Assistant Director for Site Technology. 77/10/28.
6pp. 94357: 338.

7812190231 Discusses status of trench closing at Vallecitos & examination of trenches by NRC & other agencies. Recommends that OE be allowed to backfill trenches 1,2 & 3 & the large boreholes now dug. w/encl comments for 771202 QETR meeting.
DENTON, H. R. Office of Nuclear Reactor Regulation, Director.
77/11/30 5pp 94381:265.

7812210331 Forwards info re facil fuel element decay heat as of 771130
HOGGATT, G. D. General Electric Co 77/12/07. 7pp. 94014:279

7810260037 Forwards for review "Seismic & Basis for Struc Analysis of Reactor Bldg by EDAC" dtd 771216 for review Encl already on file in PDR & Central Files
BAUGHMAN, G. Engineering Branch (Pre 791030). AT-42-24-0116
77/12/23 3pp. 01791:057.

7809270023 Outlines proposed action plan on Gen Elec's 771216 response to NRC's 771024 Order to Show Cause.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/01/05. 3pp.

7812180428 Identifies sys which are req to assure adequate core cooling, & specifies operability conditions that must be met by each sys.
BAER, R. L. Reactor Safety Branch (Pre 791030). 78/01/09. 3pp. 94358:029.

7812180431 Provides results of 771216 site visit to observe topography & geology exposed in trenches. Further study is needed to determine certain absence of faulting at site.
KURKJIAN, T. G. Interior, Dept of, Geological Survey. 78/01/30. 2pp 94364:252.

7812180425 Forwards 780201 USGS review of potential faulting at subj site. Feels staff should not take firm position until after its review. w/encl AND 7809250067
GAMMILL, W. P. Assistant Director for Site Technology. 78/02/03. 2pp. 94358:020

7812190198 Summary of 780125 meeting to discuss effect of possible earthquakes generated by Calvernas & Verona faults at site.
JACKSON, R. E. Division of Site Safety & Environmental Analysis. 78/02/03 1p 94376:112

7812180401 Forwards info on all QETR scrams which have occurred since plant was initially started in 1950
DARNITZEL, R. W. General Electric Co 78/02/14. 2pp.

7810110200 Responds to 780911 request for info on status of QETR. OE is conducting a fault investigation. Will take 2 months before NRC can produce safety evaluation & another month before show cause issues go before ASLB
DIRCKS, W. J. Office of the Executive Director for Operations. 78/10/04. 3pp 94069:001.

--7810110203 In 780209 ltr, author was informed that US Geological Survey & an independent consulting firm were advising NRC on matters re subj facil geology & seismology. Requests a rept on status of proceedings.
TOWER, J. Senate. 78/09/11. 2pp. 94069:004.

--7810110205 Expresses concern about QETR shutdown because it may disrupt the supply of radioisotopes, some of which are only made commercially at the subj facil. Requests restart oper to begin as soon as possible.
TOWER, J. Senate. 77/12/20. 2pp. 94069:006.

--7810110207 In response to 771220 ltr, forwards info on status & issues relevant to subj facil. Pub hearings are being held & the ASLB will make the final decision re restart.
DIRCKS, W. J. Office of the Executive Director for Operations. 78/02/09. 2pp. 94069:008.

7810110165 Responds to 780406 request for addl info re resumption of oper of QETR.
DARNITZEL, R. W. General Electric Co 78/10/06 39pp 94069:279.

7810270110 Requests that subj facil remain closed, inasmuch as Calavera fault is only a few hundred feet from plant.
FISCHER, B. Affiliation Unknown. 78/10/08. 1p. 94059:302.

7810240206 Notification of 781013 meeting in Pleasanton, CA to inspect trenches completed in site fault investigation.
NELSON, C. C. Operating Reactors Branch 4 (Pre 790625). 78/10/10. 2pp.

7810200033 Opposes reopening of subj facil because it is built on a geologically unstable site.
VANTHIEL, M. Affiliation Unknown 78/10/20. 1p. 94355:198.

7810800039 Requests rept of attached 781018 constituent ltr re attempt by Hendrie of NRC to suppress potential damaging info re nuclear safety as reported by Union of Concerned Scientists
HAYAKAWA, S. I. Senate 78/10/20 1p. 94398:113

--7810800056 Contends NRC shut-down order for Gen Elec Test Reactor be made permanent since safety against maximum seismic activity can not be guaranteed. Also requests discharges of tritium cease & info on hearings be provided.
WOLCH, H. Affiliation Unknown. 78/10/15. 1p. 94398:115.

7810700351 Responds to 781006 ltr to J Schiewinger re facil in Livermore Valley Region. DOE is collecting the requested info re LLL. Questions re Vallecitos facil are being forwarded to NRC.
BRATTON, J. K. Defense, Dept of. 78/10/24. 1p. 94043:179.

--7810700395 Requests info on seismic & geologic testing in the Livermore Valley Region & what effect faulting in the area has had on the Vallecitos Atomic Lab & Livermore Lab. Questions whether facil siting meets USGS & NRC criteria.
RYAN, L. J. House of Rep 78/10/05 1p. 94043:178.

7812190169 Notification of 771028 meeting in Bethesda w/OE to allow OE to give NRC its assessment of all NRC-lic activities at Vallecitos, as req by 771024 Show Cause Order.
GALLER, K. R. Division of Operating Reactors. 77/10/26. 1p. 94381:161.

781030259 Rept on 781017 site visit to make preliminary observations of Gen Elec-proposed site investigation. Believes that until main scarp & assoc rupture surface are located for mapped landslide complex, the stability analysis is questionable.
GREEVES, J. T., JACKSON, R. E. Geosciences Branch. 78/10/27. 7pp. 94272:037.

7810701115 Responds to 781002 NRC request for addl info re appl for addition to Tech Specs. Forwards clarification of term "Cold Shutdown".
CUNNINGHAM, G. E. General Electric Co. 78/11/01. 4pp. 94043:301.

7812190178 Requests DOR provide proposed Fed Registrar Notice repring shutdown of QETR as abnormal occurrence. w/encl copy of previous FRN for Abnormal Occurrence for info.
EISENHUT, D. O. Division of Operating Reactors. 77/11/10. 4pp. 94381:108.

781270169 Forwards comments from 781017 site visit to view trenching excavations of current QETR seismic investigation. For encl see AND 781030259.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/11. 4pp. 94272:055.

781280293 Notice of 781209 visit to facil in order to inspect trenches completed in the QETR site fault investigation.
NELSON, C. C. Operating Reactors Branch 4 (Pre 790625). 78/11/27. 3pp. 94365:219.

7812080131 Forwards info considered reportable under Section D2 of Lic 1R-1. During 781101 Calibr of primary coolant scram & emergency cooling trip instr. trip points indicated switches out of spec.
DARNITZEL, R. W. General Electric Co. 78/11/29. 2pp. 94106:351.

7812140121 Forwards logs of the trenches at & near subj facil. Logs available in Central Files.
DARNITZEL, R. W. General Electric Co. 78/11/29. 150pp. 94480:001.

7812180329 Forwards status rept of DBE review of geology as it relates to potential for surface faulting of QETR site. Data is incomplete & does not allow final conclusions. Encl request for addl info.
DENTON, H. R. Division of Site Safety & Environmental Analysis. 78/12/13. 9pp. 94337:329.

7812190020 Forwards NRC Order to Show Cause, which req that Gen Elec Test Reactor be placed & maintained safely in cold shutdown condition pending further order.
GASE, E. O. Office of Nuclear Reactor Regulation, Director. 77/10/21. 1p.

7812280297 Forwards rept re 781205-6 subj facil site visit re trenches & seismic analysis.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/12/18. 2pp. 94349:348.

7810230090 Forwards IE Inspec Rept#50-70/78-07 on 780907-08 during which no items of noncompliance were noted. Major areas inspected included logs & records review & audit; experimental; LER followup; & independent inspec efforts.
CREWS, J.L. Region 3, San Francisco, Reactor Operations Nuclear Support Branch. 78/09/20. 2pp. 94169:181

--7810230092 IE Inspec Rept#50-70/78-07 on 780907-08 during which no items of noncompliance were noted. Major areas inspected included logs & records review & audit; experimental; LER followup; & independent inspec efforts.
CANTER, H.L., MILLER, L.E., CREWS, J.L. Region 3, San Francisco, Reactor Operations Nuclear Support Branch. 78/09/20. 4pp. 94169:183

7811270121 Forwards IE Inspec Rept#50-70/78-08 on 780926-28 during which no items of noncompliance were noted.
SPENCER, G.B. Region 3, San Francisco, Reactor Construction & Engineering Support Branch. 78/10/19. 2pp. 94271:272

--7811270126 IE Inspec Rept#50-70/78-08 on 780926-28 during which no items of noncompliance were noted. Major areas inspected incl: mods of primary heat exchanger, seismic restraints, QA records & followup on previous inspec items.
BISHOP, T.W., HAIST, D.P., HAYNEB, R.C. Region 3, San Francisco, Reactor Construction & Engineering Support Branch. 78/10/18. 8pp. 94271:274

7812140070 Forwards IE Inspec Rept#50-070/78-09 on 781004-05 during which no items of noncompliance were noted.
BOOK, H.E. Region 3, San Francisco, Fuel Facility & Materials Safety Branch. 78/10/31. 2pp. 94127:356

--7812140072 IE Inspec Rept#50-070/78-09 on 781004-05 during which no items of noncompliance were noted. Major areas inspected: radiat safety organization; changes in radiat safety procedures; personnel exposure; survey instrs & tour of facil.
FISH, R.F., RIEDLINGER, D.A., BOOK, H.E. Region 3, San Francisco, Fuel Facility & Materials Safety Branch. 78/10/27. 4pp. 94127:358

U. Congressional/Executive Correspondence

7811210065 Responds to 781006 ltr to Dept of Energy re present status of subj facil. Based on seismology & site geology evaluation continued NTR oper & activities authorized by Lic#9NM-960 were found to be acceptable.
DIRCKS, W.J. Office of the Executive Director for Operations. 78/11/13. 3pp. 94488:319

--7811210086 Responds to 781006 ltr to Mr Schlesinger re siting of subj facil. Requested info is being collected & will be sent as soon as data is available. Copy of 781006 ltr has been forwarded to the NRC.
BRATTON, J.K. Energy, Dept. of. 78/10/18. 1p. 94488:323

7811240091 Responds to 781017 ltr by forwarding a copy of NRC's reply to Mrs Delfino's 781015 ltr to Chairman Hendrie.
DIRCKS, W.J. Office of the Executive Director for Operations. 78/11/15. 1p. 94488:077

--7811240094 Forwards 781015 Delfino ltr to NRC & requests a complete report in duplicate re subj facil hazards to safety & health. Requests to be informed of all related hearings.
HAYAKAWA, B.I. Senate. 78/10/17. 1p. 94488:081

--7811240096 Recommends that both subj facil remain closed until further info re health & safety (especially the discharge of tritium into the groundwater) & geotech data is made available to the pub.
DELFINO, J.B. Affiliation Unknown. 78/10/15. 2pp. 94488:083

DOCKET 50-72 UNIV. OF UTAH RESEARCH REACTOR

P. Operating license stage documents & correspondence

7810240006 Reply to 780725 ltr re Memphis State Univ Tech Spec re ANS 1B. 1B Admin controls.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/10. 4pp.

P. Operating license stage documents & correspondence

7811210002 Reminder that Lic#R-33 for subj facil will expire on 790721. & renewal appl req timely filing. Consideration will be reviewed as part of evaluation. W/encl Lic Renewal Review Items.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/11/06. 7pp. 94482:001

7812270401 Forwards Amend#13 to Lic#R-33 & Safety Eval. Changing Specs in response to 760811 request.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/12/14. 2pp. 94232:321

--7812270409 Amend #13 to Lic #R-33. Changing tech Spec re calibr surveillance of all instrs & deleting Tech Spec requirement for respiratory protec. Updates NRC organizational titles.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/12/14. 3pp. 94232:323

--7812270415 Safety Eval supporting Amend #13 to Lic#R-33 Concludes amend will not be inimical to common defense & security or to pub health & safety.
* Office of Nuclear Reactor Regulation, Director. 78/12/14. 3pp. 94232:328

DOCKET 50-77 CATHOLIC UNIV. OF AMERICA RESEARCH REACTOR

P. Operating license stage documents & correspondence

7810170186 In response to 780929 NRC ltr. Draft tech specs for AGN-201 reactor have been reviewed & are acceptable.
JORDAN, E.D. Catholic Univ. 78/10/10. 1p. 94270:046

DOCKET 50-83 UNIV. OF FLORIDA TRAINING REACTOR

F. Security, medical, emergency & fire protection plans

7811070376 Accepts Argonaut re reactor security plan & rev. Requests that the basic plan & revisions be consolidated into one document for inclusion in the renewal lic.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/12. 1p. 94043:282

P. Operating license stage documents & correspondence

7810180081 Describes preparation of info for renewal of Facil Oper Lic #R-36. New SAR & Tech Spec are being prepared re change of fuel. Final submission to NRC will be in June, 1979.
DIAZ, N.J. Florida, Univ. of, Gainesville. 78/10/10. 8pp. 94412:292

7812060149 Informs NRC effective 780901 MJ Ohanian returned to UF Chairmanship of Dept of Nuc Engr Sciences.
OHANIAN, M.J. Florida, Univ. of, Gainesville. 78/11/30. 1p.

G. Inspection reports, IE Bulletins & correspondence

7810110187 Ack receipt of 780918 ltr informing NRC of steps taken to correct violations noted during Inspec#50-083/78-05.
KENNA, W.B. Region 2, Atlanta, Safeguards Branch. 78/10/08. 1p. 03553:344

--7810110196 Responds to Notice of Violation from 780816 Physical Security Inspec which found that a reactor key was inserted w/o operator present. Daily checkout & reactor shutdown procedures will be corrected.
DIAZ, N.J., OHANIAN, M.J. Florida, Univ. of, Gainesville. 78/09/18. 2pp. 94069:133

--7810110198 Forwards IE Inspec Rept#50-083/78-05 & Notice of Violation.
KENNA, W.B. Region 3, Chicago, Safeguards Branch. 78/09/07. 8pp. 94069:135

--7810110201 Notice of Violation from inspec on 780817.
* Region 3, Chicago, Safeguards Branch. 78/08/17. 1p. 94069:137

--7810110204 IE Inspec Rept#50-083/78-05 on 780817 during which 1 item of noncompliance was noted.
* Region 3, Chicago, Safeguards Branch. 78/08/17. 4pp. 94069:138

DOCKET 50-87 WESTINGHOUSE CRITICAL EXPERIMENT

F. Security, medical, emergency & fire protection plans

7810230141 Ack receipt of 770919 & 771229 changes to Security Plan. Finds changes acceptable & containing proprietary info. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/09/29 1p. 94164-085.

G. Inspection reports, IE Bulletins & correspondence

7810190248 Responds to request for reply to IE Bulletin#78-08 Bulletin is not applicable to subj facil & none of actions suggested were instituted. ROTH, J.M. Westinghouse Electric Corp. 78/10/05. 1p. 94413-342.

781090043 Forwards IE Inspec Rept#50-087/78-06 on 780920-22 Inspec rpt details w/hold from pub disclosure pursuant to 2.790. HIND, J.A. Region 3, Chicago, Office of the Director. 78/10/31. 2pp. 94040-062.

--781090044 IE Inspec Rept#50-087/78-06 on 780920-22 during which no items of noncompliance were noted. Areas inspected included: security plan & organizational access control; alarm sys; surveillance; radiological sabotage protec. CHRISTOFFER, G.M., MAEDA, T.J., HIND, J.A. Region 3, Chicago, Office of the Director. 78/10/30 1p. 94040-064.

DOCKET 50-89 GENERAL ATOMIC CO.

F. Security, medical, emergency & fire protection plans

7812190145 Forwards current physical security plan in compliance w/regs. classified as "Nat'l Security Info" pursuant to certain DOE requirements. Requests that earlier copies be destroyed, and new copies be withheld. HOWRY, W.R. General Atomic Co. (subs. of Gulf Oil Co.). 78/12/15. 1p. 94340-070.

P. Operating license stage documents & correspondence

7812040243 Forwards Fed Register Notice containing Gen Atomic Co appl for facil export lic. DPLINGER, O.G. Office of International Programs, Director. 78/11/17 1p. 94413-334.

--7812040249 Gen Atomic Co Appl for Facil Export Lic to auth export TRIOA Mark I res reactor w/thermal pur level of 100 Kilowatts to Morocco. DPLINGER, O.G. Office of International Programs, Director. 78/11/17. 2pp. 94413-335.

V. Operator Examinations

7810300284 Finds proposed changes to reactor oper requal prog acceptable. Changes do not substantially decrease the frequency, duration, or scope of the prog. COLLINS, P.F. Operator Licensing Branch. 78/10/25. 1p. 94185-308.

DOCKET 50-94 ROCKWELL INTERNATIONAL RESEARCH REACTOR

J. Insurance & indemnity information

7810270197 Forwards copies of Policy NF-12; Endorsements#75-83, 85-89 & 94(Advanced Premium & Standard & Reserve Premium for CY1978) & Policy NF-93 Endorsements 75-79 and 83(Advanced Premium, Standard & Reserve Premium for CY1978. PIERCE, J.W. Rockwell International Corp. 78/10/19. 30pp. 94094-043.

DOCKET 50-97 CORNELL UNIV. ZERO POWER REACTOR

F. Security, medical, emergency & fire protection plans

7810260021 Forwards NRC Reg Guide 2.XX "Emergency Planning for Res Reactors". Request these documents be used in preparing emergency plan in appl for lic renewal. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/17. 49pp. 94372-160.

G. Adjudicatory correspondence

7812210517 Petition by NY St Energy Office for leave to participate as an interested state in proc re Cornell Univ Zero Pur Reactor. St is acting to protect health, safety & environ of NY citizens. Cert of Soc encl. SHAPIRO, W.A. New York, State of. 78/12/04. 4pp. 94407-330.

P. Operating license stage documents & correspondence

7810120038 Requests 20 year renewal of Lic#R-89. Complete appl will be forwarded at a later date. CODDE, W.D. Cornell Univ. 78/10/06. 1p. 94332-314.

7812140065 Forwards Notice of Proposed Renewal of Facil Lic. Present lic expires 781121. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/27. 2pp. 94126-337.

--7812140069 Notice of Proposed Renewal of Facil Lic#R-89 until 981121. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/28. 4pp. 94126-339.

G. Inspection reports, IE Bulletins & correspondence

7812050286 Ack receipt of 781030 ltr informing NRC of steps taken to correct violations noted during inspec#50-97/78-02. #50-157/78-02 & #70-211/78-01. MARTIN, W.Q. Region 1, Philadelphia, Safeguards Branch. 78/11/07 1p. 94202-321.

--7812050290 Responds to 781004 NRC ltr re deviation noted in Inspec Rep #50-97/78-02, #50-157/78-02 & #70-211/78-01. Corrective actions, complete physical inventory & documentation finished 781023. CLARK, D.D. Cornell Univ. 78/10/30. 1p. 94202-322.

--7812050295 Forwards IE Inspec Repts#50-97/78-02, #50-157/78-02, #70-211/78-01 & Notice of Violation. MARTIN, W.Q. Region 1, Philadelphia, Safeguards Branch. 78/10/04 2pp. 94202-323.

--7812050298 Notice of Violation from inspec on 780907-08 * Region 1, Philadelphia, Safeguards Branch. 78/10/04. 1p. 94202-325.

--7812050304 IE Inspec Repts#50-97/78-02, #50-157/78-02, #70-211/78-01 on 780907-08 during which 1 item of noncompliance was noted: failure to perform complete physical inventory w/in required 12 months. SUMMERB, R.J. Region 1, Philadelphia, Safeguards Branch. 78/10/04. 6pp. 94202-326.

--7812050304 IE Inspec Repts#50-97/78-02, #50-157/78-02, #70-211/78-01 on 780907-08 during which 1 item of noncompliance was noted: failure to perform complete physical inventory w/in required 12 months. SUMMERB, R.J. Region 1, Philadelphia, Safeguards Branch. 78/10/04. 6pp.

DOCKET 50-98 UNIV. OF DELAWARE RESEARCH REACTOR

P. Operating license stage documents & correspondence

7810230145 On 780826, DELU removed all components of its AON-201 nuc reactor. Surveys of reactor room & reactor components show no removable contamination levels in excess of background. DELU requests final inspec per termination of facil. RUSELL, T.W. Delaware, Univ. of. 78/10/12. 3pp. 94164-200.

DOCKET 50-99 BASCOCK & WILCOX TEST REACTOR

F. Security, medical, emergency & fire protection plans

7810230147 States that NRC review of physical security plan & revs is complete. Finds plan acceptable. Requests that vendor resubmit plan as single document for inclusion into lic by 790531 in loose-leaf format. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/06. 2pp. 94194-343.

G. Inspection reports, IE Bulletins & correspondence

7812080215 Forwards Inspec Rept#50-099/78-03 & Inspec Rept#50-013/78-03 on 780918-22 during which no items of noncompliance were noted.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/30 2pp. 94137.074.

--7812080219 IE Inspec Rept#50-099/78-03 & IE Inspec Rept #50-013/78-03 on 780918-22 during which no items of noncompliance were noted. Major areas inspec incl radiat protect procedures & posting & labeling.
DAVIS, J. H. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/30. 7pp.

7812200156 Concurs that inspec rept contains no proprietary info & agrees to placing it in NRC PDR.
ENGELDER, T. C. Babcock & Wilcox Co. 78/12/08 1p. 94156.394.

7810270103 Forwards IE Inspec Repts#50-99/77-4 & #50-13/77-4 on 771129-771201 during which no items of noncompliance were noted.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 77/12/27. 2pp. 94099.297.

--7810270113 IE Inspec Repts#50-13/77-4 & #50-99/77-4 on 771129-771201 during which no items of noncompliance were noted. Major areas inspected included: physical security prog, Security plan, Security organization, Surveillance, Access controls.
JOYNER, J. H. Region 2, Atlanta, Office of the Director. 77/12/22. 1p. 94059.288

7812050001 Forwards IE Inspec. Repts#50-99/78-2, #50-13/78-2 & #70-824/78-10 on 780911-15 & Notice of Violation.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/27. 2pp. 94200.001.

--7812050002 Notice of Violation from insp on 780911-15.
4 Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/27. 1p. 94200.003.

--7812050005 IE Inspec Repts #50-99/78-2, #50-13/78-2 & #70-824/78-10 on 780911-15 during which 1 item of noncompliance was noted: storage of flammable liquids in containers that are not safety approved cans.
PERROTTI, D. J. Region 2, Atlanta, Office of the Director. 78/10/27. 17pp. 94200.004.

7812200158 Forwards Inspec Repts#50-13/78-4 & #50-99/78-4 on 781115-17 during which no items of noncompliance were noted.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/12/01. 2pp. 94156.355.

--7812200161 IE Inspec Repts #50-013/78-04 & #50-099/78-04 on 781115-17 during which no items of noncompliance were noted. Major areas inspected incl: logs & records, reviews & audits; experiments, fueling, procedures & IE Circular review.
HINCKLEY, D. G., MCHENRY, T. J., DANCE, H. C. Region 2, Atlanta, Office of the Director. 78/12/08. 5pp. 94156.357.

DOCKET 50-106 OREGON STATE UNIV.

A. Application/construction stage documents & correspondence

781200009 Forwards FR notice of proposed issuance of orders authorizing dismantling of facil, disposition of component parts & termination of facil lic. per 780913 appl. (w/encl AND#7811150247.)
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/31. 1p. 94218.256.

B. Operating license stage documents & correspondence

7812270193 Forwards Dismantling & Disposal Plan for AON-201 training reactor oper under Lic#R-51. Reactor is to be transferred to Northwestern Univ.
HANO, C. H., POPOVICH, M. Oregon State Univ. 78/12/18. 2pp. 94018.059.

G. Inspection reports, IE Bulletins & correspondence

7812070041 Forwards Inspec Rept#50-106/78-02 on 781024-26 during which no items of noncompliance were noted.
CRENS, J. L. Region 3, San Francisco, Reactor Operations Nuclear Support Branch. 78/10/31. 2pp. 94134.069.

--7812070045 IE Inspec Rept#50-106/78-02 on 781024-26 during which no items of noncompliance were noted. Major areas inspec incl: operation, logs & records, procedures, training & surveillance.
MORRILL, P. J., CARLSON, J. D., STERNBERG, D. M. Region 3, San Francisco, Reactor Operations Nuclear Support Branch. 78/10/31. 2pp. 94134.071.

781150247 Notice of proposed issuance of orders authorizing dismantling of facil at Oregon St Univ, disposition of component part of facil & termination of facil Lic#R-51.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/31. 94273.064.

DOCKET 50-112 UNIV. OF OKLAHOMA RESEARCH REACTOR

P. Operating license stage documents & correspondence

781010167 Requests 20-year extension/renewal of NRC Lic#R-53. Will furnish documentation by mid-Nov 1978.
UPTHEGROVE, W. R. Oklahoma, Univ. of. 78/10/06 1p. 94069.090.

7810310297 Responds to ltr re renewal of AON-211 Lic #R-53. Forwards new guidelines re emergency planning for res reactors dev since 780628 NRC ltr w/encl draft Reg Guide 2.2X & ANS Draft Standard for Emergency Planning for Res Reactors.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/06. 49pp. 94089.005.

781210212 Notice of proposed renewal of Facil Lic#R-53 for oper of AON-211 Reactor located at UDK. Renewal would extend expiration date to 981229.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/02. 94467.142.

7811290310 Forwards "Notice of Proposed Renewal of Facil Lic#R-53 for AON-211 Reactor". Although expiration date for lic is 781229, existing lic will not be considered expired until appl has been finally determined.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/02. 94193.247.

--7811290313 "Notice of Proposed Renewal of Facil Lic" for Lic#R-53 oper of AON-211. Renewal would extend expiration date to 781229.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/02. 4pp. 94193.249.

781090082 Informs NRC of reassignment to Martin Jischke of responsibilities re univ reactor & nuc matl activities carried out under Lic SNH-1397.
UPTHEGROVE, W. R. Oklahoma, Univ. of. 78/11/03 1p. 94041.291.

G. Inspection reports, IE Bulletins & correspondence

7810130243 Forwards copy of IE Inspec Repts#50-112/78-02 & 70-1430/78-02 on 780821 & 22 during which no items of noncompliance were found.
HIND, J. A. Region 3, Chicago, Safeguards Branch. 78/10/03. 8pp. 94079.176.

--7810130247 IE Inspec Repts#50-112/78-02 & 70-1430/78-02 on 780821 during which no items of noncompliance were noted. Areas inspected incl: nuc matl control & accounting, inventory, shipping, receiving, storage & controls. W/o rept.
4 Region 3, Chicago, Safeguards Branch. 78/10/04. 1p. 94079.178.

DOCKET 50-113 UNIV. OF ARIZONA RESEARCH REACTOR

P. Operating license stage documents & correspondence

7811030224 Forwards Amend#13 to Facil Oper Lic#R-52 revising Tech Specs as requested in 770714 ltr w/safety Evaluation
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/12. 2pp. 02724:252

--7811030228 Amend#13 to Facil Oper Lic#R-52 revising Tech Specs re editorial changes to incorporate currently used terminology, onsite org & position titles, increase of maximum insertion reactivity & mod of instru oper requirements
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/12. 17pp. 02724:254

--7811030232 Safety evaluation supporting Amend 13 to License R-52 concluding that proposed Tech Spec changes are acceptable and do not reduce any of the safety margins.
* Office of Nuclear Reactor Regulation, Director. 78/10/12. 6pp. 02724:271

DOCKET 50-116 IOWA STATE UNIV. RESEARCH REACTOR

P. Operating license stage documents & correspondence

7812180303 Notifies licensee of expiration of Oper Lic#R-59 for Argonaut-Type Model UTR-10 on 791012 & forwards specific items that must be addressed in renewal appl
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/12/07. 8pp. 94363:353

B. Reportable occurrences, LERs & related correspondence

7811060073 Summarizes file documentation re elimination of inspec of Shim-Safety Rod Position Potentiometer. Reasons: success of hardware mod is proven, inspec procedure was harmful, elimination of procedure supported by Radiat Safety Comm.
HENDRICKSON, R. Iowa State Univ. 78/10/28. 2pp 94423:359

--7811060074 Reportable Occurrence on 780914:UTR-10 Shim-Safety Rod failed to insert during manual scram, due to loose position potentiometer mounting nut. Mod: lock washer added to potentiometer mounting hardware.
HENDRICKSON, R. Iowa State Univ. 73/09/27. 3pp 94423:357

DOCKET 50-123 UNIV. OF MISSOURI RESEARCH REACTOR

P. Operating license stage documents & correspondence

7811280210 Forwards specific requirements reviewed in appl for lic renewal. Renewal of lic#R-79 req submission of an appl that demonstrates that reactor can continue to be operated safely thru the term of the renewal.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/11/14. 6pp. 94013:281

G. Inspection reports, IE Bulletins & correspondence

7811290393 Forwards IE Inspec Rept#50-123/78-04 on 780921-22 during which no items of noncompliance were noted.
DAVIS, A.B. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/10/23. 2pp. 94181:182

--7811290397 IE Inspec Rept#50-123/78-04 on 780921-22 during which no items of noncompliance were noted. Major areas inspected incl: emergency planning activities, coordination w/support agencies, training & internal audits.
AXELSON, W.L. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/10/20. 4pp. 94181:184

DOCKET 50-128 TEXAS A&M UNIV. RESEARCH REACTOR

G. Inspection reports, IE Bulletins & correspondence

7811170111 Forwards IE Inspec Rept#50-128/78-02 & Notice of Violation.
MADSEN, O.L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/10/06. 2pp 94047:131

--7811170114 Notice of Violation from Inspec on 780911-15. Ltr of 710623 from AEC to TXAM also encl.
MADSEN, O.L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/10/06. 3pp. 94047:133

--7811170119 IE Inspec Rept#50-128/78-02 on 780911-15 during which 2 items of noncompliance were noted: failure to post High Radiation Area & failure to post notice to workers
MURRAY, B., MADSEN, O.L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/10/04. 9pp. 94047:136

7812070001 Forwards IE Inspec Rept#50-128/78-03 on 781107-09.
MADSEN, O.L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/11/20. 1p. 94134:073

--7812070002 IE Inspec Rept#50-128/78-03 on 781107-09 during which no items of noncompliance were noted. Major areas inspected incl: implementation of approved physical security plan re protection of SHM, security organization & access control.
WARD, J.J. Region 4, Dallas, Reactor Operations Nuclear Support Branch. EVANS, C.A., MADSEN, O.L. Region 4, Dallas, Office of the Director. 78/11/20. 1p. 94134:076

DOCKET 50-131 OMAHA VET. ADMIN. HOSP. RESEARCH REACTOR

P. Operating license stage documents & correspondence

7812180371 Forwards specific items that must be addressed in renewal of Oper Lic#R-57 which expires 790624. Gen requirements are given in 10CFR50.31.55 & 73.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/12/07. 10pp. 94358:188

DOCKET 50-133 HUMBOLDT BAY POWER PLANT, UNIT 3

H. General correspondence

7812150054 Forwards updated svc list pursuant to agreement to discuss discovery procedures at 781114 meeting.
WATTS, M.J., McCutchen, Doyle, Brown & Emerson. 78/11/21. 4pp. 94211:025

J. Insurance & indemnity information

7812130002 Forwards Amend#20 to Indemnity Agreement#B-21.
CRANE, P.A. Pacific Gas & Electric Co. 78/12/05. 1p. 94307:254

--7812130008 Amend#20 to Indemnity Agreement#B-21, adding new Article VIII, covering deferred premiums & submission of financial statements.
SALTZMAN, J. Antitrust & Indemnity Group. BONNER, J.F. Pacific Gas & Electric Co. 78/12/05. 2pp 94307:255

P. Operating license stage documents & correspondence

7812040276 Requests registration as user of shipping packages, Cert#605B & 6144. Quality Assurance Prog will be executed accordingly.
CRANE, P.A. Pacific Gas & Electric Co. 78/08/10. 1p. 94372:282

7810240111 Forwards copies of appl for amend to DPR-7 oper lic re minor change in frequency requirement for nuc safeguard sys testing & other minor admin changes. As a Class 2 amend, fee is \$1200 & is forwarded.
CRANE, P.A. Pacific Gas & Electric Co. 78/10/20. 1p.

--7810240113 Requests Facil Oper Lic DPR-7 be amended by making admin changes to Tech Specs appended to lic. Changes set forth incl change in frequency of performing Nuc Safeguard Sys Testing & adding Quality Control to Plant Sta# Rev Comm.
SHACKLEFORD, B., CRANE, P.A., MORRISSEY, J.C. Pacific Gas & Electric Co. 78/10/12. 17pp.

7810310207 Forwards Quarterly Status Rept of Investigations & Mods, 780701-780930, Rept#19. Topics incl geologic & seismologic investigations, seismic design review, purchase & installations of seismic mods.
GROVE, P.A. Pacific Gas & Electric Co. 78/10/27. 2pp. 94090:326

7811280439 Confirms 781024 conversation w/J Carroll re the P&GE decision to suspend until spring the present cycle of drilling oper because of high winter drilling costs & lack of permission from land owner to dig a trench.
ROONEY, V.L. Operating Reactors Branch 3 (Pre 790625). 78/10/30. 1p. 94380:155

7812150134 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out mat'l w/encl Registration Form & List of Locations.
MILLER, J.R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 5pp.

780250 Forwards Rev#1 "Draft Radiological Effluent Tech Specs for
NRC's (NUREG-0473) & "Preparation of Radiological Effluent
Tech Specs for Nuc Pur Plants" (NUREG-0133)
TIMES, B.K. Assistant Director for Engineers & Projects (Pre
70625) 78/11/15 6pp 94366 119.

7807314 Notification of 781113 meeting w/Dutch & P&E & w/Dutch on
781117 to provide technical info re unit & ref plant for
Batch SA MHE natural circulation Dedeward w/list of
attendees & question encl
JONES, V L Operating Reactors Branch 3 (Pre 790625) 78/11/28
1PP. 94084:325

78280095 Emphasizes importance of submitting accurate & complete info
to NRC by licensees & applicants Info submitted must be
substantiated by data & calculations Licensee must notify
of any inaccuracies or enforcement action will result
in VIB, J.O. Office of Inspection & Enforcement, Office of the
Director 78/12/06. 2pp. 03555:311.

Inspection reports, IE Bulletins & correspondence

78240092 Forwards IE Inspec Rept#50-133/78-11 on 780828-31 during
which no items of noncompliance were noted.
TIMES, J.L. Region 5, San Francisco, Reactor Operations Nuclear
Support Branch. 78/09/18. 2pp.

7810240094 IE Inspec Rept#50-133/78-11 on 780828-31 during which no
items of noncompliance were noted Major areas inspected
included: outage activities, records mgt sys followup &
Followup on Bulletins & Circulars.
WEBBNER, J.D., JOHNSTON, Q.W., CREWS, J.L. Region 5, San Francisco,
Reactor Operations Nuclear Support Branch. 78/09/18. 3pp.

78280255 Forwards IE Inspec Rept#50-133/78-12 on 780821-24 during
which no items of noncompliance were noted Encl contains
790 info & is withheld from public disclosure.
ORDERHAUG, L.R. Region 5, San Francisco, Safeguards Branch.
78/10/11. 2pp. 03555:204.

78230221 IE Circular#78-17, Inadequate Guard Training/Qualification &
Misclassified Records Discusses incidents of qualification
records falsification & recommends action to prevent
recurrence.

Office of Inspection & Enforcement, Office of the Director.
78/10/13. 6pp. 94181:356.

78230316 Forwards IE Circular#78-17. (See AND: 7810230221, Docket
50-313, 781013)
ENGELKEN, R.H. Region 5, San Francisco, Office of the Director
78/10/13. 1p. 94166:347.

78150007 Forwards IE Circular 78-18.

ENGELKEN, R.H. Region 5, San Francisco, Office of the Director.
78/11/06. 1p. 94112:301.

78190194 Forwards IE Inspec Rept#50-133/78-13 on 781023-26 during
which no items of noncompliance were noted.
DOUW, H.E. Region 5, San Francisco, Fuel Facility & Materials Safety
Branch. 78/11/17. 2pp. 94381:040.

7812190197 IE Inspec Rept#50-133/78-13 on 781023-26 during which no
items of noncompliance were noted Major areas inspected
incl: emergency planning radiol environ procedures & radiat
protect training.
FISH, R.F. Region 5, San Francisco, Office of the Director.
78/11/17. 9pp. 94381:042.

782270450 Forwards IE Inspec Rept#50-133/78-14 on 781113-15 during
which no items of noncompliance were noted
CREWS, J.L. Region 5, San Francisco, Reactor Operations Nuclear
Support Branch. 78/11/22. 2pp. 94015:331.

7812270456 IE Inspec Rept#50-133/78-14 on 781113-15 during which no
items of noncompliance were noted Major areas inspected
incl: outage activities, pipe support surveillance, calibr &
followup on IE Bulletins & LERS.
CAWTER, H.L., MORRILL, P.J., WEBBNER, J.D. Region 5, San Francisco,
Reactor Operations Nuclear Support Branch. 78/11/22. 5pp.
94015:333.

78130063 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
ENGELKEN, R.H. Region 5, San Francisco, Office of the Director
78/11/24. 1p.

781300055 IE Bulletin#78-12A, suppl to IE Bulletin 78-12 modifying
requirements to IE Bulletin 78-12 re: info on weld matls used
shall be submitted w/in 120 days & correlation of specific
heat to weldments is not req.
Office of Inspection & Enforcement, Office of the Director.
78/11/24. 4pp. 94127:100.

7812290030 Forwards IE Bulletin 78-14.
ENGELKEN, R.H. Region 5, San Francisco, Office of the Director
78/12/19 1p 06911 001

R Periodic operating reports & related correspondence

7810180123 Forwards Monthly Oper Rept for Sept 1978.
RAYMOND, W.A. Pacific Gas & Electric Co 78/10/09 1p 94140 257

--7810180125 Monthly Oper Rept for Sept 1978
BIERBAUM, G.A. Pacific Gas & Electric Co 78/10/04 4pp
94140 258

7811150146 Forwards Monthly Oper Rept for Oct 1978
RAYMOND, W.A. Pacific Gas & Electric Co. 78/11/10 1p 94272 267

--7811150149 Monthly Oper Rept for Oct 1978
BIERBAUM, G.A. Pacific Gas & Electric Co 78/11/01 4pp.
94272 268

7812150310 Forwards Monthly Oper Rept for Nov 1978
RAYMOND, W.A. Pacific Gas & Electric Co 78/12/08 1p 94021 340

--7812150311 Monthly Oper Rept for Nov 1978
GETTY, D.C. Pacific Gas & Electric Co 78/12/01 4pp

B Reportable occurrences, LERs & related correspondence

7810180028 Forwards LER#78-003/017-0
CRANE, P.A. Pacific Gas & Electric Co 78/10/11 1p 94195 193

--7810180033 LER#78-003/017 on 780912 during cold shutdown, N3
fire/low pressure pump was operated but would not reset
rendering it inoperable Caused by valve which was installed
horizontally instead of vertically.
REDEKER, S.J. Pacific Gas & Electric Co 78/10/11 1p
94195 194

DOCKET 50-134 WORCESTER POLYTECH INST RESEARCH REACTOR

V Operator Examinations

7811240038 Requests sched of operator examination in Jan 1979 for 3
persons Formal appl & Facil approval will be forwarded upon
completion of training prog
WILBUR, L.C. Worcester Polytechnic Inst. 78/11/10 1p. 94457:247

DOCKET 50-142 UCLA TRAINING REACTOR

P. Operating license stage documents & correspondence

7812080099 Forwards ltr from Director of UCLA Los Angeles Nuc Energy
Lab re items in 780922 NRC ltr w/o ltr.
EVRAETIS, J.C. California, Univ of, Los Angeles 78/12/01. 1p
94109:008

Q Inspection reports, IE Bulletins & correspondence

7812270421 Forwards Inspec Rept#50-142/78-03 on 781030-31 & Notice of
Violation w/o encl.
ORDERHAUG, L.R. Region 5, San Francisco, Safeguards Branch
78/12/18. 2pp. 94312:320.

DOCKET 50-146 SAXTON NUCLEAR EXPERIMENTAL FACILITY

J. Insurance & indemnity information

7812010127 Forwards Endorsement#60 & 69 to Baron NELIA Policy NF-107.
States Endorsement#60 amended: advance premium \$425 &
standard premium & reserve premium \$284.75. Endorsement #66
amended: standard premium & reserve premium \$227.80 w/encl.
MONTGOMERY, C.R. General Public Utilities 78/11/27. 1p
94418:058

J. Insurance & indemnity information

7810270197 Forwards copies of Policy NF-12 Endorsements #75-83, 85-89 & 94 (Advanced Premium & Standard & Reserve Premium for CY1978) & Policy NF-93 Endorsements 75-79 and 83 (Advanced Premium, Standard & Reserve Premium for CY1978).
 PIERCE, J. W. Rockwell International Corp. 78/10/19 30pp
 94034.043

DOCKET 50-148 UNIV. OF KANSAS RESEARCH REACTOR

P. Operating license stage documents & correspondence

7812040071 Forwards Amend#12 to Facil Lic#R-78 for res reactor, changing Tech Spec re surveillance of rod magnets.
 REID, R. W. Operating Reactors Branch 4 (Pre 790623). 78/11/16 2pp
 94453.073.

--7812040074 Amend#12 to Facil Lic#R-78, changing Tech Spec re surveillance of rod magnets.
 REID, R. W. Operating Reactors Branch 4 (Pre 790623). 78/11/16 2pp
 94453.077.

--7812040079 Safety Eval supporting Amend#12 to Facil Lic#R-78. Concludes amend would not be inimical to pub interests.
 * Operating Reactors Branch 4 (Pre 790623). 78/11/16 2pp
 94453.082

Q. Inspection reports, IE Bulletins & correspondence

7812040324 Forwards IE Inspec Rept#50-148/78-01 & Notice of Violation.
 MADSEN, O. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/10/13. 2pp 94329.344.

--7812040326 Notice of Violation from inspec on 781004-06.
 * Region 4, Dallas, Reactor Operations Nuclear Support Branch.
 78/10/13 1p. 94329.346.

--7812040332 IE Inspec Rept#50-148/78-01 on 781004-06 during which 1 item of noncompliance was noted. Fuel elements were removed from core out of order.
 DICKERSON, M. W. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/10/13. 6pp. 94329.347

7811170289 Ack receipt of 781026 ltr informing NRC of steps taken to correct deviations noted in Inspec Rept#50-148-78-01. Finds that addl info is req.
 MADSEN, O. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/11/02. 1p. 94046.235.

--7811170293 Responds to 781018 NRC ltr re violation noted in Inspec Rept#50-148/78-01. Old fuel unloading procedure has been superseded.
 KRAFT, D. C. Kansas, Univ. of. 78/10/26. 1p. 94046.236.

7812040311 Ack receipt of 781026 & 781113 ltrs informing NRC of steps taken to correct violations noted during inspec #50-148/78-01.
 MADSEN, O. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/11/20. 1p. 94332.012.

--7812040319 Suppls info contained in 781026 ltr. There has been a check of procedures to see that all superseded procedures are clearly marked. Marking superseded procedures should avoid repetition of generic prob of oper w/old procedures.
 KRAFT, D. C. Kansas, Univ. of. 78/11/13. 1p. 94332.013.

DOCKET 50-155 BIG ROCK POINT NUCLEAR PLANT

F. Security, medical, emergency & fire protection plans

7812130161 Forwards rev security plans for subj facils as requested by NRC. Plans withheld (ref 10CFR2.790).
 HOFFMAN, D. P. Consumers Power Co. 78/12/08. 1p. 94305.120.

P. Operating license stage documents & correspondence

7810110164 Forwards fire protection plan describing fire protection administration controls & fire barrier tests.
 HOFFMAN, D. P. Consumers Power Co. 78/10/06. 1p. 94069.267.

7810190218 Forwards electric diagrams omitted from 780808 package. Set of aperture cards advanced directly to R Silver.
 HOFFMAN, D. P. Consumers Power Co. 78/10/10. 1p. 94415.191.

7810310027 Informs that for SEP normal channel of oral communication will be followed, but to expedite reviews direct oral communication between subj facil staff & members of SEP branch is encouraged.
 ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790623). 78/10/10. 2pp. 94094.347.

7810160097 Informs of delay in providing NRC w/info re environ qualification of safety-related equip due to slow review of tables presented.
 BIXEL, D. A. Consumers Power Co. 78/10/11. 1p. 94004.221.

7810250065 Discusses use of continuous control rod drive feature during power operation. Concludes that ability to reliably verify coupling integrity is important. Change does not supersede or replace 741101 Tech Spec change request.
 BIXEL, D. A. Consumers Power Co. 78/10/19. 2pp. 07387.001.

7811090039 Forwards Amend#21 to Facil Oper Lic#DPR-6 for subj facil. Amend changes Tech Specs as requested in 780517 ltr by incorporating requirements of 10CFR50 Appendix J for periodic test schedule & formula for reduced pressure leak rates.
 ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790623). 78/10/20. 2pp. 94040.048.

--7811090071 Amend#21 to Facil Oper Lic#DPR-6 changes Tech Specs to incl periodic test schedule & formula for reduced pressure leak rates.
 ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790623). 78/10/20. 4pp 94040.030.

--7811090079 Safety Eval by Ofc of Nuc Reactor Reg Supporting Amend#21 to Lic#DPR-6 of subj facil. Amend changes Tech Specs re periodic test schedule & formula for reduced pressure leak rate. Concludes issuance of amend is security & health safe.
 * Office of Nuclear Reactor Regulation, Director. 78/10/20. 3pp. 94040.034.

--7811090088 Notice of Issuance of Amend#21 to Facil Oper Lic#DPR-6.
 ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790623). 78/10/20. 2pp.

7811210172 Eval of cable splices in reactor containment as referenced in 780224 submittal has been completed. Splicing matl may be inadequate to preclude failure of LOCA. Plant is shut-down & splices are being repaired.
 FODD, W. C. Consumers Power Co. 78/10/23. 1p. 01791.057.

7810270075 Responds to 780817 NRC ltr requesting review of initial eval of 8 SEP topics. No errors were identified during review.
 Review rept encl.
 HOFFMAN, D. P. Consumers Power Co. 78/10/24. 23pp. 94059.169.

7811010165 Forwards addl \$2,800 fee for consideration of license amend request dtd 780517.
 BIXEL, D. A. Consumers Power Co. 78/10/26. 1p. 94391.237.

7811130047 Requests addl info re EBF switchover from injection to recirculation mode, isolation of reactor safety protect sys from non-safety sys & engr safety features, (ESF) sys logic & design.
 ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790623). 78/10/26. 3pp. 94010.231.

7811030277 Forwards requests for addl info re fire protection per 781010-13 site visit. Response desired by 781113.
 LAINAB, G. Plant Systems Branch (Pre 791030). 78/10/27. 9pp. 02719.346.

7811020212 Forwards addl description of Reactor Physics Methodology of subj facil for discussions leading to issuance of Amend#15 to DPR-6.
 BIXEL, D. A. Consumers Power Co. 78/10/30. 1p. 94257.137.

--7811020218 Describes methods used in physics model dev by CPC including descriptions of techniques used in generation of input & modeling of core & comparisons of plant data to results generated by physics model.
 * Consumers Power Co. 78/08/25. 61pp. 94257.138.

7811040084 Notifies NRC of possible deficiency found in analysis for very small break LOCA, but which is not considered reportable occurrence under tech specs.
 BIXEL, D. A. Consumers Power Co. 78/10/31. 2pp. 94422.120.

DOCKETED ITEMS

7811130167 Notifies applicant of 781128 NRC-sponsored seminar re Model Radiological Effluent Tech Specs for Nuc Pur Plants Encl w/Seminar Info Sheet (to be completed & returned by 781117) & Proposed Agenda
KEPPLER, J. O. Region 3, Chicago, Office of the Director 78/11/07
6pp. 03553:215.

7811150158 Forwards proposed change to Tech Specs for License DPR-6, incorporating requirements implementing 10CFR50 App 1 per NRC 780711 ltr
BIXEL, D. A. Consumers Power Co 78/11/13 18pp 94242:216.

7811280430 Forwards draft Sys Eval Prog Safety inputs re Topic VIII-3 A. Station Battery Test Req Requests they be transmitted to licensees
DAVIS, D. H. Systematic Evaluation Programs Branch (Pre 790625)
78/11/14. 23pp 94381:119

781270140 Forwards names of attendees at meeting on 781116 re site geologic & geotech features at subj facil. w/att agenda & items to be reviewed
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625) 78/11/15
3pp. 94271:327

7812150173 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. w/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030).
78/11/15. 5pp.

7812180264 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for BWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133) w/o encl AND:
781280104 & 781270180.
ORMES, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp.

7812060377 Ack receipt of 780714 tech info. Forwards request for addl info based on review & site visit. Response requested by 781204.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/20.
10pp. 94331:318

781270094 Forwards req ECCS ring spray sys design eval "Big Rock Point Core Spray Spranger & Steam Baffle Design Rept."
BIXEL, D. A. Consumers Power Co 78/11/21. 1p. 94437:119.

--781270099 Forwards "Big Rock Point Core Spray Spranger & Steam Baffle Design Rept" & append 3&4. Rept describes improved flow distrib characteristics. Recommends confirmation test be performed prior to installation.
LEDATE, R. E. General Electric Co NEDC-21974. 78/11/27. 500pp.
94437:120.

7812040220 Responds to 780522 NRC ltr requesting addl info relating to engineered safety features available to mitigate consequences of postulated fuel handling accident inside containment at subj facility. Related correspondence.
BIXEL, D. A. Consumers Power Co. 78/11/29. 12pp 94452:295.

7812070215 Forwards technical justification for next proposed containment integrated leak rate test (ILRT) in 1980-1981. As a result of excessive leak rate encountered, ILRT considered to be first ILRT failure.
BIXEL, D. A. Consumers Power Co. 78/11/29. 3pp. 03555:101.

7812110011 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. w/encl AND:
#7812080207.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/29.
Bpp. 94339:237.

7812090224 Responds to 780906 request for info re safety-related elec equip qual using NRC standard data format. Equip addressed is that which will ensure safe shutdown during LOCA & main steam line break, or is subj to hostile environ due to these.
BIXEL, D. A. Consumers Power Co. 78/11/30. 46pp. 94201:152

7812130281 Reviews 780307 submittal & concludes feedwater trip on high reactor level is not necessary to assure safe oper of subj facil.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/01.
2pp. 94291:338.

--7812130286 Safety Eval of the proposed actions re BWR feedwater pump trip on reactor high level. Concludes that util decision not to install feedwater

7812280118 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result
DAVIS, J. O. Office of Inspection & Enforcement, Office of the Director 78/12/06 2pp 94310:213

7812120182 Informs NRC of filter testing condition in respiratory protec equip which is different from regulation in Reg Guide 8.15, but which meets the regulatory requirements.
BIXEL, D. A. Consumers Power Co 78/12/08. 1p 94277:082

7812130133 Forwards responses to 781120 NRC request for addl info re Fire Hazards Analysis & to NRC staff positions derived from 781010-13 fire protec site visit Mod implementation sched will be submitted by 790115
HOFFMAN, D. P. Consumers Power Co. 78/12/08 22pp 94015:127

7812150085 Requests addl info from SEP licensees re electrical penetrations of reactor containments to complete evaluation
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625) 78/12/08
4pp 94211:339

7812210091 Forwards NUREG-0485, Vol 1, No 2 "Status Summary Rept-Bys Eval Prog" w/o encl
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625) 78/12/08.
2pp. 94269:154

7812270039 Requests addl info to complete review of "Big Rock Point LOCA Analysis Using Error Nuc Co Non-Jet Pump BWR Eval Model Large Break Example Problem" XN-NP-78-25 Revi Info incl. emergency condenser, reactor water level & choked flow.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625) 78/12/14
6pp. 94160:211.

7812260045 Summary of 781116 meeting w/util to discuss SEP review of site geology & geotechnical data List of attendees encl
CHENO, T. M. Systematic Evaluation Programs Branch (Pre 790625)
78/12/15 4pp. 94021:040

7812260212 Forwards rev tables describing environ qual of subj facil equip. Corrected tables represent Attach 2 of 781130 ltr.
BIXEL, D. A. Consumers Power Co. 78/12/20 6pp. 94160:177.

7812280134 Responds to 781208 request for addl info re SEP Topic VIII-4 "Electrical Penetrations of Reactor Containments" Requires tabulation of info selected by NRC in docket search by early Jan to prepare reply within schedule.
BIXEL, D. A. Consumers Power Co. 78/12/22 1p. 94310:339.

G. Inspection reports, IE Bulletins & correspondence

7810260179 Forwards IE Insp Rept 50-155/78-05 on 780829-0901 & notice of violation
DAVIS, A. B. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/09/18. 2pp. 94057:284.

--7810260180 Notice of violation from insp on 780829-0901.
* Region 3, Chicago, Fuel Facility & Materials Safety Branch.
78/09/18. 1p. 94057:286.

--7810260183 IE Insp Rept 50-155/78-05 on 780829-0901. Noncompliance noted: licensee disposal of licensed matls.
SCHUMACHER, M. C. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/09/18. 8pp. 94057:287.

781240170 Responds to 780918 NRC ltr re deviation noted in Insp Rept 50-155/78-05 Corrective action: procedures re transfer or release of industrial-commercial items have been rev & all items leaving control areas will be surveyed.
BIXEL, D. A. Consumers Power Co. 78/10/06. 1p. 94458:262.

7810190234 Forwards IE Insp Rept 50-155/78-08 on 780912-22 & notice of violation.
HIND, J. A. Region 3, Chicago, Safeguards Branch 78/10/10. 2pp. 94414:214.

--7810190236 Notice of violation from insp on 780919-22.
* Region 3, Chicago, Safeguards Branch. 78/10/05. 1p. 94052:063.

--7810190247 IE Insp Rept#50-155/78-08 on 780919-22 during which 1 item of noncompliance was noted: failure to prepare corrected Form NRC-741. Proprietary info deleted.
HIND, J. A. Region 3, Chicago, Safeguards Branch. 78/10/05. 8pp. 94052:064.

781023034 Forwards IE Circular#78-17 (See AND 781023022).Docket
50-313,781013)
KEPLER,J.O. Region 3, Chicago, Office of the Director 78/10/13.
1p 94194:305

7811300135 Forwards IE Insp Rept 50-155/78-07 on 780911-15 & notice of
violation.
FIORELLI,Q. Region 3, Chicago, Reactor Operations Nuclear Support
Branch. 78/10/26 2pp. 94073:223.

--7811300138 Notice of violation from Insp on 780911-15
* Region 3, Chicago, Office of the Director. 78/10/26. 1p
94073:198

--7811300141 IE Insp Rept 50-155/78-07 on 780911-15.Noncompliance noted:
Failure to follow procedures for all structures,sys.
components & safety actions defined in facility quality
list.
HUNTER,D.R., RIDGWAY,K.R., WARNICK,R.F. Region 3, Chicago, Office
of the Director. 78/10/26. 22pp. 94073:199.

781150051 Forwards IE Circular 78-18.
KEPLER,J.O. Region 3, Chicago, Office of the Director. 78/11/06.
1p. 94112:163.

781280052 Responds to NRC 781010 ltr re violations noted in Insp
Rept 50-155/78-08. Corrective actions corrected forms NRC-741
were prepared for two instances cited & will be issued by
78115.Procedural changes initiated.
BIXEL,D.A. Consumers Power Co. 78/11/09. 2pp. 03554:176.

7812800192 Responds to NRC 781026 ltr re violations noted in Insp Rept
50-155/78-07. Corrective actions:startup checklist & BOP-1
procedure will be revised,time required for stable reactor
period defined & blocking of scram capability documented.
BIXEL,D.A. Consumers Power Co. 78/11/20 2pp. 94109:341.

7812800314 Forwards IE Bulletin#78-12A,suppl to IE Bulletin 78-12.
W/encl AND 781130055.
KEPLER,J.O. Region 3, Chicago, Office of the Director. 78/11/24.
1p. 94393:195

7812800371 Ack receipt of 781006 ltr informing NRC of steps taken to
correct violations noted in Insp Rept 50-155/78-12.
DAVIS,A.B. Region 3, Chicago, Fuel Facility & Materials Safety
Branch. 78/11/28 1p. 94331:309.

7812800217 Ack receipt of 781109 ltr informing NRC of steps taken to
correct violations noted in NRC 781010 ltr.
HIND,J.A. Region 3, Chicago, Safeguards Branch. 78/11/28. 1p.
94137:084.

7812260302 Ack receipt of 781120 ltr informing NRC of steps taken to
correct violations noted in NRC 781026 ltr.
FIORELLI,Q. Region 3, Chicago, Reactor Operations Nuclear Support
Branch. 78/12/14. 1p. 94160:071.

7812280056 Forwards IE Bulletin 78-14.
KEPLER,J.O. Region 3, Chicago, Office of the Director. 78/12/19.
1p. 03554:344.

7812270180 Forwards description of inservice insp program for sub
facility & requests relief from specific requirements of
Section XI of Boiler & Pressure Vessel Code.Notes that
issuance of amend to 10CFR50.55a will modify requests.
BIXEL,D.A. Consumers Power Co. 78/12/22. 76pp. 94163:001.

A. Periodic operating reports & related correspondence

7812120109 Forwards Monthly Oper Rept for Nov 1978.
HARTMAN,C.J. Consumers Power Co. 78/12/05. 1p. 94275:315.

--7812120112 Monthly Oper Rept for Nov 1978.
HIMEBAUCH,N. Consumers Power Co. 78/12/05. 7pp. 94275:316.

7812270198 Corrected copy of Monthly Oper Rept for Nov 1978.
HIMEBAUCH,N. Consumers Power Co. 78/12/05. 2pp. 94017:208.

B. Reportable occurrences, LERs & related correspondence

7811210350 While using fuel transfer cask to move core internals for
780922 maint activities,cable which controls cask sling
brake went slack which could prevent timely tripping of cask
brake mechanism.
HARTMAN,C.J. Consumers Power Co. 78/09/25. 1p. 94484:357.

7810170217 Forwards LER#78-032/03L-0.
BIXEL,D.A. Consumers Power Co. 78/09/27. 1p. 94236:193.

7810110104 Forwards LER#78-036/01L-0.
BIXEL,D.A. Consumers Power Co. 78/10/05. 1p. 94066:345.

--7810110106 LER#78-036/01L-0 on 780905 condensate storage tank level
fell below 65X limit due to oper error caused by operator
oversight. Incident to be rev to minimize potential for
recurrence.
* Consumers Power Co. 78/10/05. 1p. 94066:346.

7811240231 Forwards LER#78-041/01T-0.
BIXEL,D.A. Consumers Power Co. 78/10/06. 1p. 94458:208.

--7811240235 LER#78-041/01T-0 on 780922:while raising transfer cask to
move core components,trip line controlling cask safety sling
trip device went slack. Caused by excessive wear on gear
driving chain takeup for trip line to safety sling brake.
* Consumers Power Co. 78/10/06. 1p. 94458:209.

7810130171 Forwards LER#78-038/03L-0,#78-039/03L-0 & #78-040/03L-0.
BIXEL,D.A. Consumers Power Co. 78/10/09. 1p. 94003:055.

--7810130175 LER#78-038/03L-0 on 780909:during plant startup control rod
drive temps were excessive due to drive cooling water leaks
at small control rod drive bolted flange "O-ring" seals.Seal
rings replaced, & seal spacers added.
* Consumers Power Co. 78/10/09. 7pp. 94003:056.

--7810130179 LER#78-039/03L-0 on 780911:during shutdown conditions,a
control rod drive was removed for maint w/o reactor mode
switch being placed in shutdown position.Repairmen failed to
notify control room as required
* Consumers Power Co. 78/10/09. 1p. 94003:057.

--7810130183 LER#78-040/03L-0 on 780910:visual inspect showed a blown fuse
in a pur supply inverter.Hypothesis is that lightly loaded
inverter should have a dummy load to preclude transient
supply voltage problems.Fuse replaced at once.
* Consumers Power Co. 78/10/09. 1p. 94003:058.

7811210369 Reportable Occurrence:on 781018,a routine inspect for leakage
revealed minor leakage at nonisolatable weld where a 3/4"
stub line is connected to 3" reactor clean-up sys return
line.
BIXEL,D.A. Consumers Power Co. 78/10/19. 1p. 94485:133.

7810230096 Responds to 780906 NRC ltr questioning control rod drive
performance.During 1977-78,facility had no case of failure
of control rod to insert during control rod testing &
reactor scrams.
BIXEL,D.A. Consumers Power Co. 78/10/20. 1p. 07587:001.

7810310130 Forwards LER#78-042/03L-0.
BIXEL,D.A. Consumers Power Co. 78/10/26. 1p. 94090:154.

--7810310133 LER#78-042/03L-0 on 780929:control rod coupling integrity
tests performed in the jog mode while at pur oper(since July
1974) may not have been valid tests.In jog mode the withdraw
pressure timing signal is not of sufficient duration.
* Consumers Power Co. 78/10/26. 1p. 94090:155.

7811090203 Forwards LER#78-037/01T-1,LER#78-031/01T-1,LER#78-037/03X-1,
LER#78-035/01T-1 & LER#78-036/03L-1.Update of previous rept
on 780912.
* Consumers Power Co. 78/10/26. 1p. 94038:268.

--7811090205 LER#78-037/01T-1 on 780906:main steam isolation valve
MO-7050 failed to close during routine tests.Caused by
hardened valve stem packing.Valve operated properly after
packing lubricated.
* Consumers Power Co. 78/10/26. 2pp. 94038:269.

--7811090223 LER#78-031/01T-1 on 780810:rejectable weld identified in
weld made in 1972.Defect based on reliance on 1972
radiogr techniques.Defect area being observed.Repairs will
be made during future outages.
* Consumers Power Co. 78/10/26. 2pp. 94038:270.

--7811090226 LER#78-032/03X-1 on 780819:failure of check valve providin
containment integrity in 2" demineralized water line;25
gallons of contaminated water removed from plant.Caused by
valve defect;water removal due to inadequate survey.
* Consumers Power Co. 78/10/26. 2pp. 94038:272.

-7811090229 LER#78-039/01T-1 on 780904: supply valve CV/4097 leaked in excess of Tech Spec limits. Caused by maladjustment on 24" butterfly valve seal. Adjustment procedures & valve design will be reviewed.
* Consumers Power Co. 78/10/26 2pp. 94038: 274.

-7811090234 LER#78-036/03L-1 on 780905: during transfer of water to primary sys during hot shutdown, condensate storage tank level fell below 65 percent level. Caused by operator oversight
* Consumers Power Co. 78/10/26. 1p. 94038: 276.

811030136 Forwards LER#78-044/01T-0.
BIXEL, D. A. Consumers Power Co. 78/10/31. 1p. 02723: 299.

-7811030139 LER#78-044/01T-0 on 781018: during primary sys startup, minor leak at 3/4" vent pipe weld attachment seen on 3" return line from cleanup sys to 2 reactor recirculating loop. Caused by fatigue cracking from inside to outside coupling weld.
* Consumers Power Co. 78/10/31. 3pp. 02723: 300.

811070217 Forwards LER#78-045/01T-0.
HOFFMAN, D. P. Consumers Power Co. 78/11/02. 1p. 94039: 123.

-7811070224 LER#78-045/01T-0 on 781020: during Systematic Eval Prog reviews, splice matl used in control & instr circuits for equip req to oper during LOCA was of marginal moisture resistance, due to the quality of the matl itself.
* Consumers Power Co. 78/11/02. 2pp. 94039: 124.

811140146 Forwards LER#78-043/03L-0 & #78-046/03L-0.
BIXEL, D. A. Consumers Power Co. 78/11/10. 1p. 94383: 266.

-7811140150 LER#78-046/03L-0 on 781025: Drive A-2 screamed in 6.0 seconds, exceeding Tech Spec maximum. Caused by broken Buna-N disc on moving core of one of two steam pilot solenoids, resulting in slow venting action.
* Consumers Power Co. 78/11/10. 1p. 94383: 267.

-7811140151 LER#78-043/03L-0 on 781014: Drive C-4 screamed in 4.4 seconds, exceeding Tech Spec maximum. Caused by broken Buna-N disc on moving core of one of two steam pilot solenoids, resulting in slow venting action.
* Consumers Power Co. 78/11/10. 1p. 94383: 268.

812040237 Forwards LER#78-027/03X-1 & #78-047/03L-0.
BIXEL, D. A. Consumers Power Co. 78/11/29. 1p. 94328: 038.

-7812040239 LER#78-027/03X-1 on 780601: control Rod Drive E-4 could not be withdrawn beyond Position 20 due to unknown cause. Drive was reinstalled in reactor & has operated satisfactorily.
* Consumers Power Co. 78/11/29. 1p. 94328: 039.

-7812040241 LER#78-047/03L-0 on 781031: control rod drive temp on Drive E-2 was above 350F degrees & excessive leakage was observed at E-2 drive flange connection due to "O-Ring" seal failure. New seal ring installed & tested satisfactorily.
* Consumers Power Co. 78/11/29. 1p.

812110171 Forwards LER#78-048/03L-0.
BIXEL, D. A. Consumers Power Co. 78/12/06. 1p. 94337: 096.

-7812110174 LER#78-048/03L-0 on 781108: during steady state pur oper, the emergency condenser shell side temp noted to be at 205 degrees F. Caused by leakage thru M07053 valve.
* Consumers Power Co. 78/12/06. 1p.

812220074 Forwards LER#78-049/03L-0.
BIXEL, D. A. Consumers Power Co. 78/12/14. 1p. 94342: 331.

-7812220075 LER#78-049/03L-0 on 781115: reactor water low level test circuitry did not provide req test response. Caused by test trip level potentiometer drift.
* Consumers Power Co. 78/12/14. 1p. 94342: 332.

DOCKET 80-157 CORNELL UNIV. RESEARCH REACTOR

I. General correspondence

812060082 Notifies NRC that subj facil is no longer part of the School of Applied & Engineering Physics. Correspondence should be addressed to Dean Paul McIsaac.
OBWALD, P. I. Cornell Univ. 78/10/31. 1p.

P. Operating license stage documents & correspondence

7811080013 Forwards Amend#7 to Lic#R-80 for Cornell Univ TRIGA reactor REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/24. 1p. 94398: 020.

--7811080018 Amend#7 to Lic#R-80 for Cornell Univ TRIGA reactor, char Tech Specs re receipt, possession & use of special nuc matls. REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/24. 2pp. 94398: 022.

--7811080024 Rev pages to Lic Amend#7.
* Operating Reactors Branch 4 (Pre 790625). 78/10/24. 9pp. 94398: 024.

G. Inspection reports, IE Bulletins & correspondence

7812050286 Ack receipt of 781030 ltr informing NRC of steps taken to correct violations noted during inspect#50-97/78-02. #50-157/78-02 & #70-211/78-01. MARTIN, W. Q. Region 1, Philadelphia, Safeguards Branch. 78/11/07. 1p. 94202: 321.

--7812050290 Responds to 781004 NRC ltr re deviation noted in Inspect #50-97/78-02, #50-157/78-02 & #70-211/78-01. Corrective actions: complete physical inventory & documentation finished 781023. CLARK, D. D. Cornell Univ. 78/10/30. 1p. 94202: 322.

--7812050295 Forwards IE Inspect Repts#50-97/78-02, #50-157/78-02, #70-211/78-01 & Notice of Violation. MARTIN, W. Q. Region 1, Philadelphia, Safeguards Branch. 78/10/10. 2pp. 94202: 323.

--7812050298 Notice of Violation from inspect on 780907-08. * Region 1, Philadelphia, Safeguards Branch. 78/10/04. 1p. 94202: 325.

--7812050304 IE Inspect Repts#50-97/78-02, #50-157/78-02, #70-211/78-01, 780907-08 during which 1 item of noncompliance was noted: failure to perform complete physical inventory w/in required 12 months. SUMMERS, R. J. Region 1, Philadelphia, Safeguards Branch. 78/10/04. 2pp. 94202: 326.

DOCKET 80-160 GEORGIA INST. OF TECH. RESEARCH REACTOR

E. NRC Safety Evaluation Report (SER), supp & correspondence

7812180386 Grants exemption for GIT from addl security provisions of 10CFR73.50 & 73.60 until 791130. Forwards concurrence memo & SER. STELLD, V. Division of Operating Reactors. 78/11/30. 4pp. 94357: 256.

--7812180389 SER supporting exemption from 10CFR73.50 & 73.60 in order for licensee to properly store PuBe neutron source in reactor bldg w/o providing addl security measures for one year.
* Office of Nuclear Reactor Regulation, Director. 78/11/30. 3pp.

G. Inspection reports, IE Bulletins & correspondence

7812010175 Forwards IE Inspect Repts#50-160/78-04, #50-276/78-02, #70-297/78-04 & #70-386/78-04 on 780926-27 during which no items of noncompliance were noted. KENNA, H. B. Region 2, Atlanta, Safeguards Branch. 78/10/20. 2pp. 94409: 221.

--7812010182 IE Inspect Repts#50-160/78-04, #50-276/78-02, #50-297/78-04 & #70-386/78-04 on 780926-27 during which no items of noncompliance were noted. Major areas inspect incl: nuc matl control & accounting procedures review. TODD, O. A., WILLIAMS, O. H. Region 2, Atlanta, Safeguards Branch. 78/10/20. 3pp. 94409: 223.

7811020440 Forwards IE Inspect Rept#50-160/78-02 on 780717-27 & notice of violation. SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safeguards Branch. 78/09/15. 2pp. 94351: 178.

DOCKET 50-163 GENERAL ATOMIC COMPANY

A Application/construction stage documents & correspondence

7810270107 Reportable occurrence on 780831 at full power (1500 kw) reg control rod continued to withdraw even when operator was not depressing "up" control. Faulty up switch replaced & tested thoroughly.
MOWRY, W.R. General Atomic Co (subs. of Gulf Oil Co.) 78/09/15.
2pp 94059 290

F. Security, medical, emergency & fire protection plans

7812190145 Forwards current physical security plan in compliance w/regs. classified as "Nat'l Security Info" pursuant to certain DOE requirements. Requests that earlier copies be destroyed, and new copies be withheld.
MOWRY, W.R. General Atomic Co. (subs. of Gulf Oil Co.) 78/12/15.
1p. 94340 070

B Reportable occurrences, LERs & related correspondence

7810270104 Forwards reportable occurrences on 780831.
MOWRY, W.R. General Atomic Co (subs. of Gulf Oil Corp.) 78/09/15.
1p. 94059 289.

V. Operator Examinations

7810300284 Finds proposed changes to reactor oper request prog acceptable. Changes do not substantially decrease the frequency, duration, or scope of the prog.
COLLINS, P. F. Operator Licensing Branch 78/10/25 1p. 94185 308

DOCKET 50-170 NATIONAL NAVAL MEDICAL CENTER

P. Operating license stage documents & correspondence

7810130227 Forwards AFRR1-TRIGA(R-084 YAE) Annual Rept dtd 781031.
MCINDOE, D. W. Defense, Dept. of, Defense Nuclear Agency. 78/10/06.
4pp 94079 324.

DOCKET 50-171 PEACH BOTTOM ATOMIC POWER STATION, UNIT 1

Q. Inspection reports, IE Bulletins & correspondence

7812010345 Forwards licensee performance evaluation for Region I. No operating reactor in Region I is considered to have either abnormal or unusual safety concern.
ORIER, B. H. Region I, Philadelphia, Office of the Director.
78/11/01. 4pp. 94418 294.

7812050004 Forwards Licensee Performance Eval Questions for subj facili in response to 771123 request. Feels it is possible that dev of statistical methodology for such eval may not justify the effort. Qualitative eval may be as good. Urges 1-year test.
ORIER, B. H. Region I, Philadelphia, Office of the Director.
77/12/13. 12pp 94200 114.

--7812050013 Requests views of Regional Directors on Licensee performance eval of subj facili. Forwards questions to be answered by 771209.
THORNBURG, H. Division of Reactor Construction Inspection.
77/11/23. 2pp. 94200 126.

7811150116 Forwards copies of Decommissioning Plan.
ALDEN, W. M. Philadelphia Electric Co. 78/11/06. 1p. 94481 082.

--7811150119 Decomm plan will progress in 4 phases. Phase I incl loading unloading & transferring fuel to spent fuel pool. Phase II incl shipping fuel to reprocessing plant in ID, & Phase III initiated after fuel is accepted.
* Philadelphia Electric Co. 78/07/31. 118pp. 94481 083.

7811290288 Responds to 781106 request for info concerning licensee reg performance eval for Region I plants by NRC. Provides details.
ORIER, B. H. Region I, Philadelphia, Office of the Director.
78/11/09. 9pp. 94239 230.

7812180268 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for BWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
GRIMES, B. K. Assistant Director for Engineers & Projects (Pre

7812280035 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. C. Office of Inspection & Enforcement, Office of the Director 78/12/06 2pp 94133 214

DOCKET 50-182 PURDUE UNIV. RESEARCH REACTOR

P. Operating license stage documents & correspondence

7812180076 Forwards Amend#3 to subj Facil lic#R-87 & Safety Eval.
REID, R. W. Operating Reactors Branch 4 (Pre 790625) 78/11/28 2pp. 94131 282

--7812180079 Amend#3 to oper lic#R-87. Changing Tech Specs to provide concise & definitive statement of limits of reactor oper parameters & surveillance measures req to assure that limits are not exceeded.
REID, R. W. Operating Reactors Branch 4 (Pre 790625) 78/11/28 44pp. 94131 284

--7812180086 Safety Eval Rept supporting Amend#3 to Oper Lic#R-87. Concludes amend does not involve significant hazards consideration, safety of pub not endangered & activities conducted in compliance will not be inimical to defense.
* Operating Reactors Branch 4 (Pre 790625) 78/11/28 3pp. 94131 328

Q. Inspection reports, IE Bulletins & correspondence

7810310029 Forwards Inspec Rept #50-182/78-02 on 780816-1B & Notice of Violation.
FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/09/21. 2pp. 94094 349.

--7810310033 Notice of Violation from Inspec on 780816-1B
* Region 3, Chicago, Reactor Operations Nuclear Support Branch 78/09/21. 1p. 94094 351.

--7810310168 IE Inspec Rept#50-182/78-02 on 780816-1B. Noncompliance noted: operator w/expired license operated reactor.
BROWN, C., LITTLE, W. S. Region 3, Chicago, Office of the Director 78/09/21 4pp 94094 352.

DOCKET 50-183 VALLECITOS EXPERIMENTAL SUPERHEAT REACTOR

P. Operating license stage documents & correspondence

7812190020 Forwards NRC Order to Show Cause, which req that Gen Elec Test Reactor be placed & maintained safely in cold shutdown condition pending further order.
GASE, E. O. Office of Nuclear Reactor Regulation, Director. 77/10/21. 1p.

DOCKET 50-184 NATIONAL BUREAU OF STANDARDS REACTOR

Q. Inspection reports, IE Bulletins & correspondence

7811300361 Forwards IE Inspec Rept#50-184/78-05 on 780822-24 & Notice of Violation.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/13 2pp 94116 290.

--7811300362 Notice of Violation from Inspec on 780822-24.
* Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/13 1p. 94116 292.

--7811300363 IE Inspec Rept#50-184/78-05 on 780822-24 during which 1 of noncompliance was noted: using outdated surveillance test procedures.
ARCHITZEL, R. E., MCCABE, E. C. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/12. 4pp. 94116 293.

7812060275 Responds to NBS 780923 ltr. Fails to find basis for withholding Inspec rept 1AW 10CFR2.790, but will forward to Headquarters for action.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/10/13. 1p. 94272 258.

--7812060286 Forwards pages of IE Inspec Rept#50-184/78-04 & requests that noted portions be withheld from pub disclosure.
CARTER, R. B. Commerce, Dept. of, National Bureau of Standards.

7812060300 Forwards IE Inspec Rept#50-184/78-04 on 780706, 780711, & 780713 & Notice of Violation.
CRDOER, H. W. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch 78/08/07. 2pp 94372 266

--7812060308 Notice of Violation from Inspec on 780706, 780711 & 780713 * Region 1, Philadelphia, Fuel Facility & Materials Safety Branch 78/08/07. 1p. 94372 268

--7812060316 IE Inspec Rept#50-184/78-04 on 780706, -11 & -13, during which 1 item of noncompliance was noted: air flow rate in fume hoods #C001-2 was too long
FLUMLEE, K. E., KNAPP, P. J. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/08/07 13pp 94372 269

7812080041 Denies request to withhold from pub disclosure 780823 NBS ltr & portions of IE Rept#50-184/78-04. Comr does not withhold merely because info relates to reactor fuel
QDWER, O. C. Executive Officer for Operations Support 78/11/08 2pp 94104 028

8. Reportable occurrences, LERs & related correspondence

7811210320 On 781102 during routine test, shim arm #1 had drop time in excess of acceptable range caused by slightly longer clutch release. Assembly removed & snap ring on armature hub replaced in favor of a more uniform support
CARTER, R. B. Commerce, Dept. of 78/11/07 8pp 94488 073.

DOCKET 50-186 UNIV. OF MISSOURI RESEARCH REACTOR

J. Insurance & indemnity information

7810110079 Responds to 780922 ltr & forwards copy of Advance Premium & Standard Premium Endorsement to nuc liability policy for 1978 w/Amend #10 to Indemnity Agreement E-45
BLANSETT, V. Missouri, Univ. of, Rolla. 78/09/25. 4pp. 94063 344.

P. Operating license stage documents & correspondence

7812290080 Repts on failure of Regulating Blade Position Rod run-in on 781127 due to loosened set screw on position indication drive gear. Corrective action: reactor shutdown, blade position indication repaired. Set screw will be checked.
BRUGGER, R. M., MCKIBBEN, J. C. Missouri, Univ. of, Rolla. 78/12/21 2pp. 94190 087

8. Reportable occurrences, LERs & related correspondence

7811050076 Reportable Occurrence on 781022: Control Blade "B" unexpectedly dropped from drive magnet & hung up about 7 inches above full insertion, probably caused by broken outer race of 1 of 8 vertical guide bearings.
MCKIBBEN, J. C. Missouri, Univ. of, Rolla. 78/10/31. 3pp 94424: 001.

DOCKET 50-187 SPACE RADIATION RESEARCH REACTOR

H. General correspondence

7811140149 Notifies NRC of personnel changes at Northrop Reactor Facil.
CHALMERS, W. J. Northrop Corp. 78/10/05. 1p. 94383 274.

P. Operating license stage documents & correspondence

7811020248 Forwards "Natural Environ Radioactivity Survey for Sept 1977 thru Aug 1978" for reactor Lic#R-90.
CRANDALL, W. E. Northrop Corp. 78/10/17. 1p. 94247: 114.

--7811020251 "Natural Environ Radioactivity Survey for the Period of Sept 1977 Through Aug 1978".
ADAMS, J., COZENS, O., WOODS, J. Northrop Corp. 78/10/17. 10pp. 94247: 115.

O. Inspection reports, IE Bulletins & correspondence

7812130331 Ack receipt of 781114 ltr informing NRC of steps taken to correct deviations noted in Inspec Rept#50-187/78-03.
CREWS, J. L. Region 5, San Francisco, Reactor Operations Nuclear Support Branch. 78/12/01. 1p. 94307: 342.

--7812130342 Responds to 781030 NRC ltr re deviation noted in Inspec Rept#50-187/78-03. Corrective actions establish calendar of periodic maint., reinstates prog of periodic & systematic performance eval of lic individuals, emerg procedure review
CRANDALL, W. E. Northrop Corp 78/11/14 2pp. 94307 343

--7812130346 Forwards Inspec Rept#50-187/78-03 on 781012-1013 & assoc Notice of Violation
CREWS, J. L. Region 5, San Francisco, Reactor Operations Nuclear Support Branch 78/10/30 2pp 94307 345

--7812130347 Notice of Violation from Inspec on 781012-1013
CREWS, J. L. Region 5, San Francisco, Reactor Operations Nuclear Support Branch 78/10/30 1p 94307 347

--7812130350 IE Inspec Rept#50-187/78-03 on 781012-1013 during which 2 items of noncompliance were noted in the following areas: periodic maint on pulse rod drive cylinder & periodic lic operator evals
JOHNSON, P. H., CARLSON, J. D., STERNBERG, D. M. Region 5, San Francisco, Reactor Operations Nuclear Support Branch 78/10/30 4pp 94307 348

DOCKET 50-188 KANSAS STATE UNIV. RESEARCH REACTOR

P. Operating license stage documents & correspondence

7810110029 Forwards changes in procedures for Aug 1977-June 1978 biennial control rod insp, fuel element insp & reactor Startup w/period scram bypassed.
FAW, R. E. Kansas State Univ. 78/09/25 9pp. 94063 141

7811130127 Responds to 781026 ltr re Dr Eckoff's training & authorizes him to perform licensed duties
COLLINS, P. F. Operator Licensing Branch. 78/10/31 1p. 94076: 120

DOCKET 50-193 RHODE ISLAND & PROVIDENCE PLANTATIONS AEC

P. Operating license stage documents & correspondence

7810200017 Forwards Amend#6 to Facil Oper Lic#R-95, changing Tech Spec re U-235 fuel weight limitation
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/02 2pp. 94195: 215

--7810200021 Amend#6 to Facil Lic#R-95, changing Tech Spec re U-235 fuel weight limitation.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/02. 4pp. 94195: 217

--7810200024 Safety Evaluation Supporting Amend#6 to Facil Lic#R-95. Concludes that hazards will not increase.
* Operating Reactors Branch 4 (Pre 790625). 78/10/02. 3pp. 94195: 221.

DOCKET 50-200 BLW TEST REACTOR

J. Insurance & indemnity information

7809130539 Signed Amend#18 to Indemnity Agreement#B-8, adding new Article VIII re: payment of assessed deferred premiums for subj facil.
BALTZMAN, J. Antitrust & Indemnity Group. 78/09/01. 2pp.

DOCKET 50-201 WEST VALLEY REPROCESSING PLANT

D. NRC Draft/Final Environmental Statements, supp & correspondence

7811100125 Advises that NFB will submit its eval on items addressed in 780627 NRC ltr prior to 781016; rather than 780930 as originally estimated in NF ltr of 780814.
CLARK, J. R. Nuclear Fuel Services, Inc. (subs. of Getty Oil Co.). 78/09/22. 1p. 94246: 357.

H. General correspondence

781280118 NF plans to submit appls for Benoir Operating Lic# for D. Floetz & C. Ross. The addl training will be completed in Feb 1979 & appropriate NRC examinations are requested for March 1979.
PIERCE, A. C. Nuclear Fuel Services, Inc. (subs. of Getty Oil Co.). 78/10/30. 1p. 94013: 008.

7810170056 Forwards changed papers for incorporation into West Valley Site Rept
ROGERS, V. C. Ford Bacon & Davis Utah, Inc. NRC-02-77-197 78/09/27
1p 94234 391

7811200214 Presents NRC perspective & conclusions re specific criteria for decommissioning level waste tanks at subj facil DCE should lead in dev of disposal option to safely isolate waste, should have in-tank solidification scheme
MARTIN, J. B. Assistant Director for Fuel Cycle Safety & Licensing
78/10/10 2pp. 94252 099

--7811200221 "Compilation of the Radioactive Waste Disposal Classification Sys Data Base." Task Rept-analysis of West Valley Site Analyzes low-level radioactive waste burial area & high level waste storage tanks using RWDGS methodology
* Ford Bacon & Davis Utah, Inc. FBDU-247-01 78/09/30 110pp
94252.101

7811170233 Responds to 780627 NRC request for review & eval of actions recommended by DuPont re Waste Tank Safety Plans to augment procedure for transfer of waste from insvc tank#BD-2 to spare tank#BD-1 in the interest of greater conservatism
CLARK, J. R. Nuclear Fuel Services, Inc. (subs. of Getty Oil Co.)
78/10/12 9pp. 94048 315

7811170045 Notice of 781025 visit to subj facil to observe struc characteristics of plant w/respect to tornado resistance & to acquire info necessary to complete status rept on NRC plant mod review
PERSON, L. S. Fuel Reprocess & Recycle Branch (Pre 790727)
78/10/23 1p. 94048 263

7811170037 Summary of 781005 meeting w/Nuc Fuel Svc re dev of info for decomm Next meeting will be 781108 w/encl reference index for Mech Process Plant area
HAUGHNEY, C. J. Fuel Reprocess & Recycle Branch (Pre 790727).
78/10/27. 32pp. 94048 212

7811280370 Notification of meeting w/Nuc Fuel Svc on 781115 in Silver Spring to discuss progress of NRS efforts to process available tech info. Needed as basis for future decontamination & decomm of West Valley facil
HAUGHNEY, C. J. Fuel Reprocess & Recycle Branch (Pre 790727)
78/11/01. 2pp. 94397 239

7811280411 Discusses site visit to subj facil to obtain head end ventilation sys info for CRNL analysts Detailed flow diagram of sys was composed by NRC & CRNL analysts & will be used for constructing model for computer analysis
CLARK, A. T. Fuel Reprocess & Recycle Branch (Pre 790727). 78/11/01
2pp 94397 326.

7812150058 "W NY Nuc Svc Center Study Final Rept for Pub Comment"
Presents potentially viable options for dealing w/subj shut down facil (Nuc Fuel Svc fuel reprocessing plant) decomm & waste disposal, continued nuc use or non-nuc use of facil.
* Energy, Dept. of. 78/11/30. 53pp 94210 262.

7812180114 Notice of 790109 meeting in Silver Spring, MD w/Nuc Fuel Svc re info needed to provide basis for future decontamination & decommissioning of subj facil.
HAUGHNEY, C. J. Fuel Reprocess. & Recycle Branch (Pre 790727).
78/12/04. 3pp. 94130 323.

G. Inspection reports, IE Bulletins & correspondence

7810300334 Forwards 2 memos & 3 ltrs re Inspep Rept #50-201/72-03 conducted 720919-23 & 720926-29
PAULUS, R. C. Office of Inspection & Enforcement, Office of the Director 78/10/23. 1p. 94270 205

--7810300338 Responds to 730205 AEC ltr re violations noted in Inspep Rept #50-201/72-03 w/detailed objections to matters in rept; requests that rept & present ltr be withheld from PDR, since it contains errors & is not a final document.
MILLER, R. N. Nuclear Fuel Services, Inc. (subs. of Getty Oil Co.).
73/03/12. 9pp. 94270 206.

--7810300343 Ack receipt of 730126 ltr informing NRC of steps taken to correct deviations noted in Inspep Rept #50-201/72-03
NEBSON, P. R. Region 1, Philadelphia, Office of the Director
73/02/05 1p. 94270 215.

--7810300354 Suggests surprise inspec of subj facil w/subsequent news release to local newspaper, or writing a ltr to the local newspaper citing the encl anonymous ltr Subj facil has been a running sore re plant conditions, releases, etc
HENDRIE, J. M. Atomic Energy Commission. 72/09/12 3pp
94270 236

--7810300358 Recommends investigation of subj facil re working conditions, careless exposure & working condition of the core.
* Affiliation Unknown 72/09/03 2pp 94270 237.

--7810300362 Suggests making copy of inspec rept available to local press & possibly levying civil penalties
O'LEARY, J. F. Assistant Director for Licensing 72/09/19 1p
94270 239

7812290076 Forwards IE Inspep Rept#50-201/78-08 on 781024-26 during which no items of noncompliance were noted.
SMITH, O. H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch 78/11/13 2pp. 94190 076

--7812290078 IE Inspep Rept#50-201/78-08 on 781024-26 during which no items of noncompliance were noted Areas inspected environ monitoring prog mgt & implementation.
KOTIAN, J. J., JACKSON, T. J., STOHR, J. P. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch 78/11/13 4pp. 94190 078.

R. Periodic operating reports & related correspondence

7811270257 Quarterly Rept for period Jul 1-Sept 30, 1978
OLDHAM, W. A. Nuclear Fuel Services, Inc. (subs. of Getty Oil Co.).
78/10/30 12pp 94252 352.

7812150036 Forwards results & flow measurements for Oct 1978
OLDHAM, W. A. Nuclear Fuel Services, Inc. (subs. of Getty Oil Co.).
78/11/08 4pp 94210 054.

DOCKET 50-206 SAN ONOFRE NUCLEAR STATION, UNIT 1

A. Application/construction stage documents & correspondence

7810230375 Believes that there is a potential problem w/Class IE battery racks supplied to subj facil Addl isolation bar for seismic protec will be available for retrofit w/in 60 days.
MCMAHON, C. K. ESB, Inc. 78/10/11 1p. 94271 184.

F. Security, medical, emergency & fire protection plans

7810180218 Summary of 780829 meeting re fire protec prog for subj facil w/list of attendees & staff positions identifying "open" items. "Fire Protec Prog, NRC Positions-SCEC Responses" encl.
BURGER, A. Operating Reactors Branch 2 (Pre 790625). 78/09/30 24pp 94421 271

7810250142 Following site visit & evaluation of Fire Protec Prog, there are 2 Fire areas critical to shutdown capacity which need addl fire protec: 4160 volt switchgear room & turbine oil reservoir area.
DUNNING, T. Plant Systems Branch (Pre 791030). 78/10/12. 10pp.

7810230155 Review of fire protec prog for provisional oper lic#DPR-13 re mod to 4160-volt switchgear room (Fire Zone B1) & mod to lube oil reservoir & conditioner area (Fire Zone 9A).
BASKIN, K. P. Southern California Edison Co. 78/10/18 29pp.
94052 217.

7810300111 Summarizes 780915 meeting re fire protec prog for subj facil. Discussed plans & schedules for facil mods for fire protec Handout, "Casualty Procedures to be Implemented Following Total Loss of 4160v Switchgear." encl.
BURGER, A. Operating Reactors Branch 2 (Pre 790625). 78/10/18. 11pp. 94035 219.

781030255 Discusses fire protec plans re subj facil. Before startup, interim mods, casualty procedure for safe shutdown & improved fire fighting & detection capability will be req.
LAINAS, O. Plant Systems Branch (Pre 791030). 78/10/26 2pp.
02725 217.

7811060104 Advises that "casualty procedure" re air supply for Lube Oil Reservoir & Conditioner Area & "station walk-thru" will be performed in response to 781018 NRC request re fire protec
HAYNES, J O Southern California Edison Co 78/10/30 2pp
94424; 360

7811130297 Review of 781018 submittal relating to fire protec is found acceptable pending completion & review of final fire protec mod Conclusions based on util's commitment to verify that alternate supply of compressed air will be available
ZIEGMANN, D L Operating Reactors Branch 2 (Pre 790625) 78/10/31 3pp 94086 131

7811210060 Forwards summary of open items on subj facil fire protec prog eval licensee response to encl staff position is required
LAINES, O Plant Systems Branch (Pre 791030) 78/11/07 9pp
94489; 312

7811080105 Informs NRC that rev of physical security plans will be submitted by 781120 due to addl time requirement
HAYNES, J O Southern California Edison Co 78/11/08 1p
94399; 137

7812050069 Forwards summary of open items in NRC review of fire protec prog for subj facil, rev staff position PF-27A re concern w/ "Cable Spreading Area" & addl staff position PF-31
"Containment" Requests response to staff position by 781127
ZIEGMANN, D L Southern California Edison Co 78/11/17 5pp
94232; 277

7812010142 Informs NRC that SCE has established liaison w/US Marshall Bvt & US Marine Corps in order to repel criminal activity or sabotage should its own security forces be unable to contain such acts Encl 780814 ltr is w/hold from pub disclosure
PIDDOTT, D R Chickering & Gregory 78/11/22 1p 44418, 084

7812050186 States util is unable to submit response to Fire Protec Review questions by 781128 Will submit by 781201
HAYNES, J O Southern California Edison Co 78/11/28 1p
94335 175

7812050219 Notifies NRC that submission of rev security plans will be delayed until 781215, to allow time to incorporate agreements reached w/outside law enforcement agencies, & the methods of protecting against sabotage by the insider
HAYNES, J O Southern California Edison Co 78/11/29 2pp
94318; 352

7812120101 Responds to NRC staff positions forwarded in 781117 NRC ltr re Fire Protec Prog Review Staff positions responded to incl: PF-27A, "Cable Spreading Area" & PF-31, "Containment"
BASKIN, W P Southern California Edison Co 78/12/01 4pp
94275; 020

7812220082 Requests review of enclosed mod physical security plans and issuance of Security Plan Eval Repts indicating NRC approval. Enclosed security plan documents are proprietary & are w/hold IAW 2.790
HEAD, J T Southern California Edison Co 78/12/19 2pp
94343; 329

0 Adjudicatory correspondence

7811100047 Forwards Notice of Appearance for C Kocher as counsel for SCE in proceedings re subj facil Cert of BVC encl
BEOLLETT, J A Southern California Edison Co 78/10/17 3pp
94178 354

7811100048 Forwards Notice of Withdrawal of R Woodbury & D Barry as counsels for SCE in proceedings re subj facil Cert of BVC
BEOLLETT, J A Southern California Edison Co 78/10/17 3pp
94178; 357

H General correspondence

7811010051 Informs that for SER normal channel of oral communication will be followed, but to expedite reviews direct oral communication between subj facil staff & members of SER branch is encouraged.
ZIEGMANN, D L Operating Reactors Branch 2 (Pre 790625) 78/10/10 2pp 94290 134

7812130093 Ack receipt of 781107 notification of change of address
CASEY, S B Chickering & Gregory 78/11/13 1p 94294 310

7812190150 For all future correspondence w/SCE re subj facil, RE Woodbury is to be deleted from svc list & replaced by CR Kocher
HAYNES, J O Southern California Edison Co 78/12/13 1p
94340 143

J Insurance & indemnity information

7810250039 Forwards Endorsements #66, 67, 68 to Policy NF-146 & #30, 59, 60 to Policy NF-38
HUOHES, W O Southern California Edison Co 78/10/16 7pp

D Advisory Committee on Reactor Safeguards reports & correspondence

7812060086 Comments on Tera Corp rept "Simulation of Earthquake Ground Motions" Rept is a breakthrough in understanding seismic wave propagation & ground motion characteristics. Should not be used to provide basic plant design criteria
SEED, H B Affiliation Unknown 78/10/05 2pp 94328 350

P Operating license stage documents & correspondence

7810130236 Notice of Issuance of Amend#36 to Provisional Oper Lic #DPR-13 on 780925
ZIEGMANN, D L Operating Reactors Branch 2 (Pre 790625) 78/09/25 2pp 94031 058

7810200026 Forwards Amend to License DPR-13, changing Tech Specs by adding requirement for min water level above spent fuel pool max weight to be carried over spent fuel assemblies
ZIEGMANN, D L Operating Reactors Branch 2 (Pre 790625) 78/09/25 2pp 94402 020

--7810200029 Amend 36 to License DPR-13, changing Tech Spec requirement for min water level above spent fuel pool & max weight to be carried over spent fuel assemblies
ZIEGMANN, D L Operating Reactors Branch 2 (Pre 790625) 78/09/25 7pp 94402 022

--7810200031 Safety Evaluation Supporting Amend#36 to Lic#DPR-13 Concludes that there is no increased hazard to the country or the population
* Operating Reactors Branch 2 (Pre 790625) 78/09/25 7pp, 94402 029

7810110096 Ack receipt of 780817 NRC ltr requesting comments on staff evaluation of Systematic Evaluation Program for subj facil
Comments incl
HAYNES, J O Southern California Edison Co 78/10/03 4pp
94065 356

7810230012 Requests addl info on deviations in proposed change # 75 to Tech Specs re insvc inspec for steam generators & proposed Tech Spec for eddy current tests or gaging to monitor generator tube dents
ZIEGMANN, D L Operating Reactors Branch 2 (Pre 790625) 78/10/10 4pp

7810230105 Info sought by NRC ltr of 780906 re environ qual of safety-related elec equip will be provided by 781127
HAYNES, J O Southern California Edison Co 78/10/13 1p
94169; 148

7810300068 Summary of 781006 meeting w/util to discuss SEE program Summary of util/TERA presentation & attendee list encl
DAVIS, D K Systematic Evaluation Programs Branch (Pre 790625) 78/10/16 33pp 94034 241

7811020053 Forwards SER supporting acceptance of postponement of certain permanent ECCB single failure fixes at subj facil Mod incl installation of redundant undervoltage relays, installation of a redundant valve & redundant control pur
ZIEGMANN, D L Operating Reactors Branch 4 (Pre 790625) 78/10/16 3pp 94335 229

--7811020059 SER supporting Amend #23 & acceptance of postponement of certain permanent ECCB single failure fixes at subj facil Postponement of installation of redundant undervoltage relay is not acceptable as discussed
* Office of Nuclear Reactor Regulation, Director 78/10/16 10pp 94335 232

7810230260 Forwards list of addl studies re Site Specific Earthquake prog of subj facil w/understanding that Site Specific earthquake response spectra dev by TERA will be the basis of seismic reevaluation of subj facil
BASKIN, W P Southern California Edison Co 78/10/18 4pp
94271; 147

781030048 On 780718 sched retrieval of settling plates found both primary & back-up plates damaged. Problem has been repetitive over 3 years & is attributed to marine studies. Proposes request to delete studies.
HEAD, J. T. Southern California Edison Co. 78/10/18 2pp
94035:070.

7810310132 Forwards proposed Tech Spec which has been mod to provide addl info requested in 781010 NRC ltr. Addl info pertains to inspects to monitor tube denting & imperfections at anti-vibration bar intersections.
BASKIN, K. P. Southern California Edison Co. 78/10/24 10pp.
94090:144

7810230066 Forwards results of BCE examination of facts defining subj facil in each topic assessment for 3 SEP topics as requested in 780711 NRC ltr.
HAYNES, J. G. Southern California Edison Co. 78/10/25 3pp.

7811100141 Requests addl info on EBF Switchover from injection to recirculation mode, isolation of reactor protect sys from non-safety sys, EBF sys logic & design, specific drawing of elec sys, & complete plant elec drawing indices w/entl.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/26 3pp.

7811070243 Responds to NRC request to justify changes in the following physics startup tests: HZP Critical Boron Concentration, HZP Control Bank Worth Acceptance Criteria, Low Pur Core map, Power Coefficient & Pur Defect test.
HAYNES, J. G. Southern California Edison Co. 78/10/27 3pp.
94039:193.

7811170051 Forwards draft eval of 2 SEP topics, radiological consequences of steam generator tube failure & of main line failure outside containment. Concludes that subj facil is safe re both possibilities.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/29 10pp. 94046:23B.

7811060086 Repts insertion of a Containment Spray Sys nozzle inspect requirement in Section 4.2 of Tech Specs, "Safety Injection & Containment Spray Sys Periodic Testing."
BASKIN, K. P. Southern California Edison Co. 78/10/30 2pp
94424:080.

781140053 Forwards Amend#37 to Provisional Oper Lic#DPR-13, changing Tech Spec re Cycle 7.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/31 3pp. 94420:223.

--781140055 Amend#37 to Provisional Oper Lic#DPR-13, changing Tech Spec re Cycle 7 oper.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/31 28pp. 94420:226.

--781140057 Safety eval supporting Amend 37 to License DPR-13. Amend does increase safety risk.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/31 16pp. 94420:231.

--781140063 Notice of Issuance of Amend#37 to Provisional Oper Lic#DPR-13, changing Tech Spec: deletes Lic Conditions 3.E.3F(1) 3.F(2): re steam generator inspect & cycle 7 core.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/31 2pp. 94420:26B.

7811280007 Initial study rept for constr & oper of a single circuit 230 KV transmission line from subj facil to Encina Generating Station in San Diego County, CA. W/entl Environ Data Statement & Addendum#1 to EDS re cultural resources.
* San Diego Gas & Electric Co. 78/11/08. 237pp. 02726:003.

7811210316 Forwards corrected part(?) of 770922 addl info re control room operator doses.
HAYNES, J. G. Southern California Edison Co. 78/11/14. 2pp.
94488:053.

7811210377 Based on review of subj model Tech Spec submitted by 780711 NRC ltr, 3 NRC computers would be needed to calculate model parameters. Since computers are not now available, lic amend requested w/in 120 days of 780711 ltr will not be submitted.
HAYNES, J. G. Southern California Edison Co. 78/11/14. 2pp.
94485:147.

7811220146 Responds to 780718 NRC ltr requesting comments on rept re 780524-25 site visit. Finds five incorrect tech details in rept & re svc water reservoir & seawall constr.
HAYNES, J. G. Southern California Edison Co. 78/11/14. 2pp.
94074:337.

7811280430 Forwards draft eq Eval Prog safety impacts re topic 7811-3. A Station Battery Test Req Requests they be transmitted to licensees.
DAVIS, D. K. Systematic Evaluation Programs Branch (Pre 790625). 78/11/14 23pp

7812150197 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out mail W/entl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15 5pp.

7812190057 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PHR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
GRIMES, B. K. Assistant Director for Engineers & Projects (Pre 790625) 78/11/15. 6pp. 94215:083

7812040007 Forwards Amend #38 to License DPR-13, safety evaluation & notice of issuance.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/17 2pp.

--7812040012 Amend#38 to License DPR-13, changing Tech Specs of combined heat up, cooldown & pressure limitations, reactor coolant sys, radioactive gaseous waste release, fire protect sys surveillance & radio environ monitoring.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/17 17pp.

--7812040017 Safety evaluation Supporting Amend#38 to Oper Lic#DPR-13. Supports issuance of amend which would reduce maximum allowable rates for pressurizer heatup.
* Office of Nuclear Reactor Regulation, Director. 78/11/17. 4pp. 94325:342.

--7812040020 Notice of Issuance of Amend#38 to Lic#DPR-13 Rev Tech Specs to reduce maximum allowable rate for pressurizer heatup, to increase maximum allowable rate for pressurizer cooldown & to delete provisions of Respiratory Protec Prog.
WAMBACH, T. V. Operating Reactors Branch 2 (Pre 790625). 78/11/17 2pp. 94325:346.

7811280219 Responds to 770926 request for eval of potential boron dilution accident at subj facil. Concludes sys in subj facil has no potential for return to criticality & that except for Chem & Volume Control Sys, no 1 event can cause such failure.
BASKIN, K. P. Southern California Edison Co. 78/11/20. 2pp.
94012:08B.

7811280245 Follows up 761116 rept re failed thermal shield flexures in 4 of 6 supports. 1978 inspect found 5 of 6 flexures cracked. Believes situation does not affect continued oper & plans no corrective action.
HEAD, J. T. Southern California Edison Co. 78/11/21. 2pp.
94012:160.

7811280212 NRC's staff environ qual tables for SEP Topic 111-12, Environ Qual of Safety Related Elec Equip will not be available for submittal until 78121B.
HAYNES, J. G. Southern California Edison Co. 78/11/22. 1p.
94012:129.

7811280259 Submits proposed mods to air supply sys of subj facil. Mods will ensure availability of air supply to req equip after loss of main air header due to fire in lube oil reservoir & conditioner area.
BASKIN, K. P. Southern California Edison Co. 78/11/22. 2pp.
94395:081.

7812130156 Forwards for review draft NRC evals (SEP), "Thermal-Overload Protec for Motors of Motor-operated Valves & SEP Battery Capacity Tests."
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/24. 7pp. 94305:10B.

7812110056 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/entl AND:
#7812080207.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/29. 8pp. 94408:256.

7812140292 Forwards Amend#39 to Provisional Oper Lic#DPR-13, revising Tech Specs as requested in 780717 ltr.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/30. 3pp. 03558:017.

--7812140307 Amend#39 to Provisional Oper Lic#DPR-13, rev 12ch Appels re certain provisions in Sections 4 & 5 (Admin Controls) of Append A&B, respectively, to reflect new corp & station org struc. & to increase onsite review comm members
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/30. 18pp. 03558:020

--7812140308 Notice of Issuance of Amend#39 to Provisional Oper Lic#DPR-13 on 781130
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/30. 2pp. 03558:038.

7812280071 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. Q. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 03555:188

7812140299 Requests addl info re pipe breaks inside containment. Forwards ltr summarizing current criteria re pipe breaks for BEP Plants.
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/07. 3pp. 03556:282

--7812140311 Forwards "Sys Eval Prog for Assessment of the Effects of Postulated Breaks in Fluid Sys Piping Inside Containment" which provides guidance for selecting design locations & orientations of postulated breaks.
DAVIS, D. K. Systematic Evaluation Programs Branch (Pre 790625). 78/07/20. 13pp. 03556:283.

7812200132 Forwards results of ECE examination of facts defining subj facil in NRC topic assessments
HAYNES, J. O. Southern California Edison Co. 78/12/07. 3pp. 94156:299.

7812210016 Forwards NUREG-0485, Vol 1, No 2 "Status Summary Rept-Sys Eval Prog" w/o encl.
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/08. 2pp. 94249:335.

7812270046 Requests addl info to complete review of Topic VIII-4 "Elec Penetrations of Reactor containments." Info incl: circuit & elec penetration info.
ZIEHANN, D. L. Environmental Projects Branch 2. 78/12/08. 4pp. 94160:251.

7812270196 Forwards Summary of Physics Startup Tests conducted from 781031 to 781111. Comparison of measured values w/predicted values were w/in limits of Review & Acceptance Criteria agreed upon w/NRC staff.
OTTISON, H. L. Southern California Edison Co. 78/12/15. 1p. 94017:204.

--7812270199 Summary of Physics Startup Tests conducted from 781031 to 781111. Performed Rod Drop Time Test, Hot Zero Pur Physics Test & test of Pur Escalation. Comparison of measured & predicted values w/in limits of Review & Acceptance Criteria
* Southern California Edison Co. 78/12/11. 3pp. 94017:205

7812270163 Equip environ qual tables forwarded 780904, will be completed & forwarded by 790122. Delay caused by efforts to meet NRC sched requirements on other projects incl subj facil Physical Security & Fire Protec Progs.
HAYNES, J. O. Southern California Edison Co. 78/12/18. 1p. 94018:087.

0 Inspection reports, IE Bulletins & correspondence

7810300018 Forwards IE Inspec Rept#50-206/78-11 on 780814-15 during which no items of noncompliance were noted.
BOOK, H. E. Region 5, San Francisco, Fuel Facility & Materials Safety Branch. 78/09/07. 2pp. 94034:347.

--7810300020 IE Inspec Rept#50-206/78-11 on 780814-18 during which no items of noncompliance were noted. Major areas inspected included neutron monitoring prog, refueling outage planning & training & post emergency exercise activity.
BOOK, H. E., CURTIS, J. R. Region 5, San Francisco, Fuel Facility & Materials Safety Branch. 78/09/07. 3pp. 94034:349.

7810230320 Forwards IE Circular#78-17. (See AND: 7810230221, Docket 50-313, 781013)
ENGELKEN, R. H. Region 5, San Francisco, Office of the Director. 78/10/13. 1p.

7810270214 Forwards "Results of Steam Generator Inspec Prog for Cycle VII Refueling Outage" Results support request for lic amend to delete req to bring facil to a cold shutdown condition to perform inspec
HAYNES, J. O. Southern California Edison Co. 78/10/25. 2pp. 94053:137

--7810270216 "Results of Steam Generator Inspec Prog for Cycle VII Refueling Outage" Presents results of completed overall inspec prog, corrective actions taken & conclusions based on results re continued plant oper
* Southern California Edison Co. 78/10/23. 90pp. 94053:139.

7810190135 Forwards IE Inspec Repts#50-206/78-12. 780906-08 during which no items of noncompliance were noted IE rept withheld subj to 2 790.
NORDEHAU, L. R. Region 5, San Francisco, Safeguards Branch. 78/10/04. 2pp. 94414:043.

7812150180 Forwards IE Inspec Repts#50-206/78-16 on 781016-19 during which no items of noncompliance were noted
BOOK, H. E. Region 5, San Francisco, Fuel Facility & Materials Safety Branch. 78/11/03. 2pp. 94212:281

--7812150185 IE Inspec Repts#50-206/78-15 on 781016-19 during which items of noncompliance were noted. Major areas inspected incl: radiat protec prog during refueling outage & followup activity
CURTIS, J. R. Region 5, San Francisco, Office of the Director. 78/11/03. 5pp. 94212:283

7811190019 Forwards IE Circular 78-18
ENGELKEN, R. H. Region 5, San Francisco, Office of the Director. 78/11/06. 1p. 94111:221

7812070283 Forwards IE Inspec Rept#50-206/78-13 on 780921-28, 1012-11, 1016-18 during which no items of noncompliance were noted.
CRENS, J. L. Region 5, San Francisco, Office of the Director. 78/11/08. 2pp. 94085:219.

--7812070296 IE Inspec Rept#50-206/78-13 on 780921-28, 1012-13 & 1016-18 during which no items of noncompliance were noted. Major areas inspected incl: local leak rate tests, refueling preparations & oper, maintenance activities & LER's.
WIESSNER, J., CANTER, H., HORN, A. Region 5, San Francisco, Office of the Director. 78/11/07. 4pp. 94085:217.

7812210376 Notice of Violation from inspec on 781010-13 & 1024-27.
* Region 5, San Francisco, Reactor Construction & Engineering Support Branch. 78/11/13. 2pp. 94015:040.

--7812210380 IE Inspec Repts#50-206/78-14 on 781010-13 & 1024-27 during which 1 item of noncompliance was noted: failure to perform nondestructive exam of vessel closure studs & nuts IAW requirements of ASME Code.
PATE, R. J., HAIST, D. P. Region 5, San Francisco, Reactor Construction & Engineering Support Branch. 78/11/13. 8pp. 94015:042.

--7812210388 Responds to 781115 NRC ltr re violations noted in Inspec Rept#50-206/78-14. Corrective actions: a calibr block equipped w/reflectors has been obtained & prog to eval equivalence of technique initiated.
MOORE, J. B. Southern California Edison Co. 78/12/06. 2pp. 94015:050.

--7812210399 Ack receipt of 781206 ltr informing NRC of steps taken correct violations noted during inspec#50-206/78-14.
SPENCER, Q. B. Region 5, San Francisco, Reactor Construction & Engineering Support Branch. 78/12/14. 1p. 94015:053.

7812210370 Forwards IE Inspec Repts#50-206/78-14 on 781010-13 & 1024-27 & Notice of Violation.
SPENCER, Q. B. Region 5, San Francisco, Reactor Construction & Engineering Support Branch. 78/11/15. 2pp. 94015:038.

7811300097 Forwards IE Bulletin #78-12A, suppl to IE Bulletin 78-12. W/encl AND: 7811300055.
ENGELKEN, R. H. Region 5, San Francisco, Office of the Director. 78/11/24. 1p. 94073:035.

7812290098 Forwards IE Bulletin 78-14
ENGELKEN, R. H. Region 5, San Francisco, Office of the Director. 78/12/19. 1p. 03695:192.

R. Periodic operating reports & related correspondence

7810130159 Forwards Monthly Oper Rept for Sept 1978.
CURRAN, J. M. Southern California Edison Co. 78/10/02. 1p. 94002:348.

7811160080 Forwards Monthly Oper Rept for Oct 1978
CURRAN, J. M. Southern California Edison Co. 78/11/06. 1p.
94133:177.

--7811160082 Monthly Oper Rept for Oct 1978
OQUILD, W. R. Southern California Edison Co. 78/11/02. 3pp.
94133:178.

7812190157 Forwards Monthly Oper Rept for Nov 1978.
CURRAN, J. M. Southern California Edison Co. 78/12/06. 1p.
94340:161.

--7812190159 Monthly Oper Rept for Nov 1978.
OQUILD, W. R. Southern California Edison Co. 78/12/05. 3pp.

B. Reportable occurrences, LERs & related correspondence

7810180089 Data from bottom & midwater temp sensors deemed irretrievable due to instru malfunctions. Instrus replaced & personnel admonished re importance of data retrieval. No environ impact caused by loss of data.
HEAD, J. T. Southern California Edison Co. 78/10/13. 2pp.
94400:339.

7810180157 Details reportable occurrence at subj facil. During heat treatment on 780913, 2189 lbs of fish impinged, 80% of which were spotfin croakers. Occurrence not deemed to have effect on local spotfin croaker population.
HEAD, J. T. Southern California Edison Co. 78/10/13. 2pp.
94317:015.

7810250123 Repts occurrence per Section 5 & 3.1(3) of Appendix B to Provisional Oper Lic DPR-13. During retrieval of settling plates, both primary & backup settling plate racks were found to be severely damaged in Zone OA. Has no environ impact.
HEAD, J. T. Southern California Edison Co. 78/10/18. 2pp.
94368:312.

7812130280 During Insvc Inspec Test of knee support & snubbers, two weld indications were found which req repair & during snubber surveillance two snubbers failed. LER will be forwarded.
CURRAN, J. M. Southern California Edison Co. 78/10/24. 2pp.
94292:355.

7811140177 Forwards LER#78-011/01T-0.
MOORE, J. B. Southern California Edison Co. 78/11/06. 3pp.
94384:248.

--7811140181 LER#78-011/01T-0 on 781023: during shock & away test, 9 snubbers were found to be inoperable & during insvc test, 4 had cracked welds. Snubber failures & cracked attachment welds are attributed to operating transients.
CURRAN, J. M. Southern California Edison Co. 78/11/06. 2pp.
94384:251.

7811280277 Forwards LER#78-012/03L-0.
HEAD, J. T. Southern California Edison Co. 78/11/21. 2pp.
94395:216.

--7811280281 LER#78-012/03L-0 on 781023: seal water return line(#2014) & the discharge line(#2002) of the charging pumps dev through wall cracks due to chloride stress corrosion. Affected areas replaced w/new pipe & fittings.
CURRAN, J. M. Southern California Edison Co. 78/11/09. 1p.
94395:218.

V. Operator Examinations

7811130132 Responds to 781011 & 24 ltrs describing training Cyrus K Anderson received in order to qualify for resumption of licensed duties. Authorizes resumption.
COLLINS, P. F. Operator Licensing Branch. 78/10/31. 1p. 94076:149.

DOCKET 80-213 HADDAM NECK PLANT

H. General correspondence

7810310021 Informs that for BEP normal channel of oral communication will be followed, but to expedite reviews direct oral communication between subj facil staff & members of BEP branch is encouraged.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/10. 2pp. 94094:341.

7812180142 Forwards copies of insurance Endorsement#57 which amends the site description at subj facil effective 781117.
SEGER, R. M. Connecticut Yankee Atomic Power Co. 78/12/13. 1p.
94365:274.

--7812180151 Insurance Endorsement#57 of Policy#WHF-151. Forwards new site description of subj facil.
BARDES, C. R. Nuclear Energy Liability Insurance Association. 78/11/17. 2pp. 94365:275.

P. Operating license stage documents & correspondence

7811130064 Forwards initial eval of 8 complete SEP topics & response to request for clarification of SEP documentation procedures made at 780531 meeting. Requests response re facts used to define plants by NRC staff. (See ANCH#781130337.)
EIBENHUT, D. O. Assistant Director for Systems Engineering (Pre 791030). 78/08/17. 2pp. 94076:227.

7810270404 Forwards Amend #2B to Facil Oper Lic #DPR-61, changing Tech Spec re fire protec sys.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/03. 3pp.

--7810270410 Amend#2B Lic#DPR-61, changing Tech Spec re fire protec sys at subj facil.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/03. 1pp.

--7810270413 Safety eval supporting Amend 2B to License DPR 61. Amend does not increase safety risk.
* Operating Reactors Branch 2 (Pre 790625). 78/10/03. 49pp.

--7810270417 Reviews fire protec in operating nuc pwr station. Re-evaluation of fire protec prog resulted in identifying areas of plant in which fire could have undesirable effects on safe shutdown of reactor.
HALL, R. E. Brookhaven National Laboratory. 78/05/10. 3pp.

--7810270422 Notice of issuance of Amend#2B for Lic#DPR-61, changing Tech Spec re fire protec sys.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/03. 2pp.

7810260182 Submits rept re subj util test prog on the containment of elec penetrations at subj facil. Safety related elec penetrations modified by Raychem heat-shrink tubing would qualify for the next 2 years.
COUNSIL, W. O. Connecticut Yankee Atomic Power Co. 78/10/10. 9pp.
94037:298.

7810260171 Forwards addl info re main steam line break to support request for amend to Tech Specs. Concludes that charging pump flow is not required for remainder of the present cycle.
COUNSIL, W. O., FEE, W. F. Connecticut Yankee Atomic Power Co. 78/10/20. 8pp. 94037:273.

7810300125 Notice of 781026 meeting w/CT Yankee & other util using Carborundum-supplied boron-carbide. Carborundum to present status of their test prog for poison plates.
HAMBACH, T. V. Operating Reactors Branch 2 (Pre 790625). 78/10/24. 2pp. 94035:145.

7811070302 Forwards Amend#29 to Facil Oper Lic#DPR-61, deleting lic condition C(3) issued in Amend#26 dtd 780526, & rev Tech Spec re main steam line break reanalysis.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/24. 2pp. 94041:001.

--7811070307 Amend#29 to Facil Oper Lic#DPR-61, changing Tech Specs re main steam line break reanalysis.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/24. 10pp. / 94041:003.

--7811070311 Safety eval supporting Amend 29 to License DPR-61. Amend does not increase safety risk.
* Operating Reactors Branch 2 (Pre 790625). 78/10/24. 5pp. 94041:013.

--7811070313 Notice of Issuance of Amend#29 to Facil Oper Lic#DPR-61, deleting Lic Condition C(3) of Amend#26 & rev Tech Spec re main steam line break reanalysis.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/24. 2pp. 94041:018.

7811030097 Forwards index of elec schematic drawings for subj facil. Also forwards accompanying apparatus cards, index & cards of supplemental drawings submitted on 780929 & safety-related drawings re subj facil. available in CF.
COUNCIL, W. G. Connecticut Yankee Atomic Power Co. 78/10/27 3pp. 02721:320.

7811130193 Forwards "Boron Carbide" rept prepared by Carborundum Co. describing equal prog tests & results re subj facil. Answers to NRC queries & other analyses are also enclosed as is non-proprietary version of Carborundum rept.
COUNCIL, W. G. Northeast Utilities. 78/11/03 14pp.

7811140155 Discusses Progress of NUSCO Nuc Records Prog for CN Yankee Atomic Pwr & NE Nuc Energy Co Microfilming may not be completed by 790731, but hard copy will be available. Asks whether projected 790731 date will be satisfactory.
COUNCIL, W. G. Northeast Utilities. 78/11/06 2pp. 94393:304.

7811170217 Requests that submittal date for lic amend appl be changed from 781108 to 790130. Amend will incorp NRC Draft Append 1 Tech Specs.
COUNCIL, W. G. Connecticut Yankee Atomic Power Co. 78/11/08 3pp. 94136:124

7811270132 Forwards tabulation of data re environ qual of safety-related elec equip (SEP Topic III-12) for review & completion by licensee.
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/09. 9pp. 94271:290.

7811170208 Provides further info on proposed exemption from 10CFR50 Append J re test of continuous Air Monitoring Sys (CMS) as proposed by 770311 NRC ltr. Util proposes to commence alternated testing sys after 1979 refueling outage.
COUNCIL, W. G. Connecticut Yankee Atomic Power Co. 78/11/13. 2pp. 94136:099.

7811280430 Forwards draft Sys Eval Prog Safety inputs re Topic VIII-3. A. Station Battery Test Req. Requests they be transmitted to licensees.
DAVIS, D. K. Systematic Evaluation Programs Branch (Pre 790625). 78/11/14. 23pp.

7812180039 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out mail. W/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/18. 3pp. 94133:036.

7812190025 Forwards Rev'd "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pwr Plants" (NUREG-0133).
GRUBBS, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94214:314.

7811300212 Reports on fish impingement overruns for 3 species of fish, exceeding ETS limits for month of Oct. No apparent cause is known, but no trend toward increased impingement is discerned.
GRAVES, R. H. Connecticut Yankee Atomic Power Co. 78/11/16. 1p. 94075:220.

7811270183 Responds to 780817 request for comments on Systematic Eval Prog topic assessments. Info is substantively correct, but it is suggested that these & future assessments be written w/ specific ref to documents used by NRC to form conclusions.
COUNCIL, W. G. Northeast Utilities. 78/11/20. 1p. 94272:081.

7812040198 Rept of SEP reviewers visit to subj facil on 780913-14 for familiarization. Consisted hydrological review of site & region outside the site & control room safety sys outside containment. W/list of participants.
FONTECILLA, H. M. Systematic Evaluation Programs Branch (Pre 790625). 78/11/21. 6pp. 94457:129.

7812070134 Notice of seminar on 781208 on new Model Radiological Effluent Tech Specs for nuc pwr plants. Requests advance submission of seminar specific questions. W/encl Seminar Info Sheet, Proposed Agenda & maps.
GRUBBS, B. K. Region 1, Philadelphia, Office of the Director. 78/11/21. 6pp. 94375:200.

7812040303 Notification of 781207 meeting w/SEP Owner's Group in Bethesda, MD to discuss plans to address seismic input for use in SEP seismic review.
LEVIN, H. A. Systematic Evaluation Programs Branch (Pre 790625). 78/11/24. 2pp.

7812140033 Matl on file is insufficient to allow tech eval re pipe breaks inside containment at subj facil. Requests meeting to allow comparison of plant design to current criteria & to eval significance of potential deviations.
EISENHUT, D. O. Assistant Director for Systems Engineering (Pre 791030). 78/11/28. 3pp. 94127:251.

--7812140038 Discusses assessment of postulated pipe breaks inside reactor containment. W/encl SEP outline of 3 potential approaches for postulating pipe break locations.
DAVIS, D. K. Systematic Evaluation Programs Branch (Pre 790625). 78/07/20. 13pp. 94127:254

7812110041 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND:
#7812080207.
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/29. 6pp. 94408:171.

7812050134 Submits ETS/NR 78-12 re rate of change of discharge temp. On 781102 reactor trip occurred during surveillance testing of pressurizer pressure & level at weak setpoint check. B degree F rate of change limit exceeded. No harm discerned.
GRAVES, R. H. Connecticut Yankee Atomic Power Co. 78/11/30. 1p. 94335:056.

7812210101 Intends to apply GA prog to addl requirements of 10CFR71 to transp or delivery for transp. of matl outside site confines in Comm approved package design.
COUNCIL, W. G. Connecticut Yankee Atomic Power Co. 78/12/03. 1p. 94269:208

7812280112 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, D. K. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94310:209.

7812130093 Requests addl info from SEP licensees re elec penetrations of reactor containments in order to complete eval.
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/08. 4pp. 94212:002

7812210082 Forwards NUREG-0485, Vol 1-No 2 "Status Summary Rept-Sys Eval Prog." W/o encl.
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/08. 2pp. 94269:130.

7812220061 Notifies NRC that 24-hour sample of fish impingement basket for 781112 was accidentally discarded & lost.
GRAVES, R. H. Connecticut Yankee Atomic Power Co. 78/12/13. 1p. 94342:264.

7812270106 Summary of 781107 meeting re geology, geotechnical & seismic review. Discussions focused on Systematic Eval Prog topics.
LEVIN, H. A. Systematic Evaluation Programs Branch (Pre 790625). 78/12/13. 4pp. 94161:057.

G. Inspection reports, IE Bulletins & correspondence

7810170030 Forwards IE Bulletin#78-12: "Atypical Weld Material in Reactor Pressure Vessel Welds" requesting action w/in 60 days, & list of IE Bulletins issued in 1978. (see AND 7810040293).
GRUBBS, B. K. Region 1, Philadelphia, Office of the Director. 78/09/29. 6pp. 94242:003.

7811100075 Forwards IE Inspec Rept#50-213/78-24 on 780911-15 during which no items of noncompliance were noted.
GRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/04. 2pp. 94179:276.

--7811100076 IE Inspec Rept#50-213/78-24 on 780911-15 during which no items of noncompliance were noted. Major areas inspected included: organization & admin. performance of audits & followup of previous audits.
LAZARUS, W. J., KNOLL, R. M. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/04. 13pp. 94179:278.

7811100092 Forwards IE Inspec Rept#50-213/78-25 on 780911-13 during which no items of noncompliance were noted.
SMITH, O. H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/10/04. 2pp. 94173:299.

items of noncompliance were noted. Major areas inspected included emergency drill, emergency planning & environmental monitoring.
BOROS, J. J. Region 2, Atlanta, Fuel Facility & Materials Safety Branch
LAZARUS, H. J., Region 1, Philadelphia, Fuel Facility & Materials Safety Branch 78/10/03 3pp. 94173.301.

78/1060182 Forwards IE Circular #78-17 (See AND: 7810230221, Docket #50-133, 781013)
ORIER, B. H. Region 1, Philadelphia, Office of the Director.
78/10/13 1p 94489.142

78/11300341 Forwards IE Inspec Rept #50-213/78-26 on 781013-16 during which no items of noncompliance were noted.
SMITH, G. H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch 78/10/24 2pp. 94116.197.

--78/11300342 IE Inspec Rept #50-213/78-26 on 781013-16 during which no items of noncompliance were noted. Major areas inspected incl. results of effluent sample split between licensee & Region 1. Noonsite time involved.
KOTTAN, J. J. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/10/23 App. 94116.199.

78/11290216 Forwards IE Circular #78-18, "UL Fire Test," w/encl AND.
78/11/0002
ORIER, B. H. Region 1, Philadelphia, Office of the Director.
78/11/06 1p. 94237.335.

78/12150131 Forwards IE Bulletin #78-12A, suppl to IE Bulletin #78-12.
W/encl AND: 78/11300055
ORIER, B. H. Region 1, Philadelphia, Office of the Director.
78/11/24 1p. 94212.169.

R. Periodic operating reports & related correspondence

78/10180134 Forwards Monthly Oper Rept for Sept. 1978
GRAVES, R. H. Connecticut Yankee Atomic Power Co. 78/10/13. 1p
94401.001.

--78/10180136 Monthly Oper Rept for Sept. 1978
* Connecticut Yankee Atomic Power Co. 78/10/13 9pp. 94401.002.

78/10240093 Rept re fish impingement overruns. As of 780929 estimated 293 & 60 Hogchokers, 0-3" & 3-6" were impinged, exceeding monthly limits. No apparent cause can be related to plant oper changes. Concludes that total numbers were small.
GRAVES, R. H. Connecticut Yankee Atomic Power Co. 78/10/13. 1p.

78/11210282 Forwards Monthly Oper Rept for Oct 1978
GRAVES, R. H. Connecticut Yankee Atomic Power Co. 78/11/14. 1p.
94485.205.

--78/11210284 Monthly Oper Rept for Oct 1978
KOKOSZKA, C. Connecticut Yankee Atomic Power Co. 78/11/14. 3pp.
94485.206.

78/12050160 Forwards rev to Monthly Oper Rept for Oct 1978
GRAVES, R. H. Connecticut Yankee Atomic Power Co. 78/11/28. 1p.
94336.106.

--78/12050164 Rev Monthly Oper Rept for Oct 1978.
KOKOSZKA, C. Connecticut Yankee Atomic Power Co. 78/11/14. 7pp.
94335.107.

78/12210201 Forwards Monthly Oper Rept for Nov 1978.
GRAVES, R. H. Connecticut Yankee Atomic Power Co. 78/12/13. 1p.
94279.079.

--78/12210204 Monthly Oper Rept for Nov 1978.
ANDERSON, D. Connecticut Yankee Atomic Power Co. 78/11/13. 8pp.
94279.080.

S. Reportable occurrences, LERs & related correspondence

78/1240163 Notifies NRC of Reportable Occurrence 78-02/1P: GE terminal block in aluminum box failed during test of ability to perform under conservative values of voltage, temp & pressure w/saturated steam present. Rept to follow.
16
GRAVES, R. H. Connecticut Yankee Atomic Power Co. 78/03/23. 1p.
94457.071.

78/11210378 Forwards LER #78-002/01T-0.
GRAVES, R. H. Connecticut Yankee Atomic Power Co. 78/04/04. 1p.
94489.149.

test of terminal block/box combinations, elec degradation was observed on GE Co terminal block type EB-25 mounted in aluminum terminal box, due to contact w/aluminum box.
FLEMING, S. T. Connecticut Yankee Atomic Power Co. 78/04/04. 2pp.
94489.150.

78/11210308 Forwards LER #78-002/01X-1.
GRAVES, R. H. Connecticut Yankee Atomic Power Co. 78/09/25. 1p.
94488.086

--78/11210311 LER #78-002/01X-1 on 780322, elec degradation observed on a GE terminal block type EB & 25 mounted in aluminum terminal box. Failure traced to interfacing w/aluminum boxes. Aluminum boxes replaced w/steel boxes.
FLEMING, S. T. Connecticut Yankee Atomic Power Co. 78/09/25. 2pp.
94488.087

78/1030166 Forwards LER #78-019/03L-0.
GRAVES, R. H. Connecticut Yankee Atomic Power Co. 78/10/06. 1p.
94003.049.

--78/1030169 LER #78-019/03L-0 on 780909: Alarm indicated #2 high steam flow indicator had failed low. Caused by fuse failure. Load reduction started until trip signal put in the logic. Plant load returned to full power & fuse replaced.
LEVINS, J. M. Connecticut Yankee Atomic Power Co. 78/10/06. 1p.
94003.050.

78/10250106 Forwards LER #78-020/03L-0.
GRAVES, R. H. Connecticut Yankee Atomic Power Co. 78/10/17. 1p.

--78/10250110 LER #78-020/03L-0 on 781004, during normal oper, Bvc manual-auto selector switch on pRRC-401-1 Charging Flow Recorder/Controller failed. Caused by component end of life.
FERGUSON, J. H. Connecticut Yankee Atomic Power Co. 78/10/16. 2pp.

78/1060103 Forwards Reportable Occurrence Rept for third quarter 1978 radioactivity in river water.
GRAVES, R. H. Connecticut Yankee Atomic Power Co. 78/10/27. 3pp.
94424.297

--78/1060107 Reportable Occurrence on 781027: levels of tritium activity observed in quarterly composite of river water near discharge area exceeded Middletown Control Station by greater than a factor of 10. Caused by seasonal river flow.
* Connecticut Yankee Atomic Power Co. 78/10/27. 2pp. 94424.298.

U. Congressional/Executive Correspondence

78/10140036 Response to 780911 ltr for comments re individuals who are concerned over radioactive milk contamination in area near facil. Forwards NRC preliminary evaluation of Steinglass rept on Strontium-90 levels in milk near subj facil.
DIRCKS, W. J. Office of the Executive Director for Operations. 78/10/06 2pp. 94329.073.

--78/10140039 Responds to 771115 ltr requesting NRC to evaluate Strontium-90 & Cesium-137 in milk from farms near subj facil. Concludes no relationship between elevated radioactive milk level & subj facil.
HENDRIE, J. M. Commissioners. 78/01/18. 2pp. 94329.075.

--78/10140043 Forwards addl NRC comments by M Goldman re allegation raised by Dr Sternglass concerning levels of strontium & cesium near subj facil. Concludes risks from exposure to low level radiat exposure small.
DENTON, H. R. Office of Nuclear Reactor Regulation, Director. 78/07/27. 1p. 94329.082.

--78/10140045 Review & comment of rept by Dr Sternglass re radioactivity health statistics around nuc facil in CT. Finds no support for contention that CT nuc plants have released sufficient radionuclides to cause significant radiat exposure.
GOLDMAN, M. California, Univ. of Davis. 78/03/31. 4pp.
94329.083.

--78/10140048 Review of Dr Sternglass rept. Concludes data does not support contention that nuc reactors have contributed to significant increases in Strontium-90 & Cesium-137 in milk. Additionally, rept did not consider effluent monitoring from reactor.
COBLE, D. M. Environmental Protection Agency. 78/08/09. 10pp.
94329.087.

78/12050043 Responds to 781031 ltr. States that all present info is so limited that no meaningful comparisons can be made of the level of radioactivity in dairies near subj facils & dairies in other regions of the State.
DIRCKS, W. J. Office of the Executive Director for Operations. 78/11/27. 2pp. 94334.119.

250044 Ack receipt of eval of Sternglass rept Requests any NRC or
Sternglass data indicating radioactivity concentrations of
other areas of the State.
ODD,C.J. House of Rep 78/10/31 2pp. 94334:121.

T 30-219 OYSTER CREEK NUCLEAR POWER PLANT

curity, medical, emergency & fire protection plans

40194 Responds to 780914 NRC ltr requesting inclusion of early
warning of local auth in facil Emergency Plan. Plan rev will
be completed by 790131. Forwards ltrs of agreement &
measures of determining dose received.
FINROCK, I.R. Jersey Central Power & Light Co. 78/11/16. 27pp.
38:315.

Judiciary correspondence

60483 Notice of w/drawal of Appearance by E Friedell & Notice of
Appearance by C Woodhead as counsel representing NRC in
re sub j facili. Cert of Bvc encl.
EDEL, E.B., WOODHEAD, C.P. Office of the Executive Legal Director.
7/11/03 4pp.

50085 Forwards environ Tech Spec for sub j facili, prepared by NRC
for Applicant has agreed to imposition of the spec. W/encl
311 Order w/Cert of Bvc, 751114 joint motion to terminate
ring & Tech Spec NUREG-0488.
EDEL, E.B., WOODHEAD, C.P. Office of the Executive Legal Director.
7/11/03. 122pp. 94336:173.

netal correspondence

10034 Informs that for SEP normal channel of oral communication
1 be followed, but to expedite reviews direct oral
communication between sub j facili staff & members of SEP
nch is encouraged.
MANN, D.L. Operating Reactors Branch 2 (Pre 790625). 78/10/10.
94094:358.

00148 Appointment of new licensing mgr for GPU Bvc Corp.
LACE, E.Q. General Public Utilities - GPU Service Corp. 78/10/23.
94035:115.

urance & indemnity information

20066 Forwards copy of endorsement #61 to Nuc Liability Insurance
licy NF-164.
EAU, W.N. General Public Utilities - GPU Service Corp. 78/10/04.
94421:193.

40132 Forwards Endorsement #47 to Nuc Energy Liability Insurance
-44 for sub j facili.
EAU, W.N. General Public Utilities - GPU Service Corp. 78/10/19.

erating license stage documents & correspondence

30082 Forwards initial eval of 8 complete SEP topics & response to
uest for clarification of SEP documentation procedures
e at 780531 meeting. Requests response re facts used to
ins plants by NRC staff. (See AND#7811130337.)
BNHUT, D.O. Assistant Director for Systems Engineering (Pra
DOO). 78/08/17. 2pp. 94076:339.

60014 Summary of 780428 meeting w/Jersey Central Pur & Light re
cuse Use of Pressurized Fuel Rods in Lead Test
embly in Sub j Reactor during Next Fuel Cycle. W/encl list
attendees.
ICKI, B.J. Operating Reactors Branch 2 (Pre 790625). 78/08/21.
94316:291.

30010 Forwards Notice of Proposed Issuance of Amend to Provisional
r Lic#DPR-16. Amend would change Tech Spec to rev Maximum
rage Planar Linear Heat Generation Rate limits for Exon
3 Types III E, III F, V & VB.
MANN, D.L. Operating Reactors Branch 2 (Pre 790625). 78/09/01.
94179:269.

1300013 Notice of Proposed Issuance of Amend to Provisional Oper Lic
DPR-16. Amend would rev Maximum Average Planar Linear Heat
eneration Rate limits for certain fuels. Petitions for leave
o intervene must be filed by 781011.
IEMANN, D.L. Operating Reactors Branch 2 (Pre 790625). 78/09/01.
94179:271.

7810110118 Forwards addl info requested by NRC staff re Tech Spec
Change Request #49(Rev#1) submitted 780606 Concerns core
spray line & feedwater line breaks effects on analysis &
Tech Spec limits
FINROCK, I.R. Jersey Central Power & Light Co. 78/10/03 19pp
94067:304.

7810190043 Concludes tech spec should incl limiting conditions for
oper & surveillance requirements for hydrogen content &
hydrogen monitors in the off gas sys Requests such spec be
proposed as suppl to 780503 appl
IEMANN, D.L. Operating Reactors Branch 2 (Pre 790625). 78/10/03.
6pp.

7810260018 Confirms understanding that there will be prompt corp review
of onsite radiat protec prog per 780809 ltr.
ALLAN, J.M. Region 1, Philadelphia. Office of the Director.
78/10/06 1p. 94410:057.

7810160115 Forwards request to amend Tech Spec so that spec will be
consistent w/125V DC Mod currently being installed. Tech
Spec surveillance requirements will be clarified by amend to
conform w/current 125V DC surveillance standards
FINROCK, I.R. Jersey Central Power & Light Co. 78/10/10. 4pp.
94005:183.

--7810160120 Request for amend to Tech Spec re provisional operating lic
#DPR-16. Change would make spec consistent w/125V DC mod &
w/current surveillance requirements.
FINROCK, I.R. Jersey Central Power & Light Co. 78/10/10. 5pp.
94005:187.

7810160143 Ack receipt of 780807 NRC ltr re deficiencies in sub j facili
reactor protec sys pur supply Continuous surveillance is
being performed. Sequence of events of low probability of
occurrence.
FINROCK, I.R. Jersey Central Power & Light Co. 78/10/10. 1p.
94004:073.

7810310298 Forwards corrected page 1.05 which incl Section L.24 & page
1 to make Table of Contents consistent w/contents.
IEMANN, D.L. Operating Reactors Branch 2 (Pre 790625). 78/10/10.
4pp. 94089:055.

7810170240 Forwards check for \$12,300 as requested by 780831 NRC staff
ltr. Rev of proposed lic indicates it is in Class III
instead of Class IV because amend is addressing single issue
& acceptability of it is clearly defined by an NRC position.
FINROCK, I.R. Jersey Central Power & Light Co. 78/10/12. 1p.
94242:158.

7810240020 Requests Class IV fee JCP&L for request relating to MAPLHOR
of several fuel types for sub j facili. W/o encl NRC 780831 to
JCPL which is already on file in PDR.
MILLER, W.D. License Fee Management Branch. 78/10/13. 2pp.

7810300157 Appointment of new licensing mgr for GPU Bvc Corp.
WALLACE, E.Q. General Public Utilities - GPU Service Corp. 78/10/23.
1p. 94035:117.

7811070304 Notice that util will use the following shipping containers:
Model#HN600, HN200, HN100B, HN100 series 1 & 2.
FINROCK, I.R. Jersey Central Power & Light Co. 78/10/23. 1p.
94041:021.

7811030114 In response to 780626 ltr Forwards current revs of drawings
in order to facilitate SEP Prog review w/encl index to
drawings & 79 oversize drawings. Available in CF only.
FINROCK, I.R. Jersey Central Power & Light Co. 78/10/24. 82pp.

7811100156 Requests addl info on ESF Switchover from injection to
recirculation mode, isolation of reactor protec sys from
nonsafety sys, ESF sys logic & design, specific drawings of
elec sys & complete plant elec drawing indices.
IEMANN, D.L. Operating Reactors Branch 2 (Pre 790625). 78/10/26.
3pp. 94047:189.

7811130335 Summary of 780914 meeting w/GE representatives & Mark 1
Owners Group re progress of Long Term Prog w/attendance
list & agenda (RD-9-A-Mark 1 Standards)
GRIMES, C. Plant Systems Branch (Pre 791030). 78/10/26. 67pp.
94007:225.

7811060164 Responds to 780925 ltr granting change in reporting date
for second 1978 semiannual rept for Nuc Matl inventory from
780920 to 781031. One time change is granted because present
refueling results in inventory change.
IEMANN, D.L. Operating Reactors Branch 2 (Pre 790625). 78/10/29.
1p. 94489:081.

7811220129 Lists containers to be utilized by JCPL for shipment of radioactive matl generated by suby facil Package approval on container has been issued to Chem Nuc Sys, Inc
FINFROCK, I R Jersey Central Power & Light Co 78/11/08 1p.

7811290095 Forwards Amend#33 to Provisional Oper Lic#DPR-16 rev Tech Specs as requested in 780530 Appl w/Safety Evaluation & Notice of Issuance.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/11 2pp. 94238 204.

--7811290099 Amend#33 to Provisional Oper Lic#DPR-16 rev Tech Specs re MAPLHOR limits for Exxon Fuel types III E, F, V & VG & adding MAPLHOR multiplier
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/11 14pp 94238 206

--7811290104 Safety Evaluation supporting Amend#33 to Provisional Oper Lic#DPR-16 concluding that proposed changes to MAPLHOR limit are acceptable, contain adequate safety margins & will not be inimical to health & safety of pub
* Office of Nuclear Reactor Regulation, Director 78/11/11 4pp. 94238:220

--7811290106 Notice of Issuance of Amend #33 to Provisional Oper Lic# DPR-16 rev MAPLHOR limits
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/11. 2pp. 94238:224.

7811280430 Forwards draft Sys Eval Prog Safety inputs re Topic VIII-3 A. Station Battery Test Req Requests they be transmitted to licensees.
DAVIS, D. K Systematic Evaluation Programs Branch (Pre 790625) 78/11/14. 23pp.

7811200160 Requests NRC review & approval of Tech Spec change#6B to Append A of Provisional Oper Lic#DPR-16. Change will allow for augmented insvc inspec of core spray sys spargers & clarify bases upon which core spray sys is operable.
FINFROCK, I R Jersey Central Power & Light Co. 78/11/15. 1p. 94475:016

--7811200164 Tech Spec Change Request #6B, submitted by JCPL Change alters sections 3.4 & A.3 re core spray sys Also encl is Repair Proposal #320-7B-1 & drawing of sparger repair bracket assembly.
FINFROCK, I. R. Jersey Central Power & Light Co 78/11/15. 48pp. 94475:017.

7812130193 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. W/encl Registration Form & List of Locations.
HILLER, J. R Assistant Director for Site & Safeguards (Pre 791030). 78/11/15 5pp

7812180251 Forwards Revsl "Draft Radiological Effluent Tech Specs" for BWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133)
GRINER, D. K Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94365:245

7812070209 Notice of seminar on 781208 on new Model Radiological Effluent Tech Specs for nuc pur plants. Requests advance submission of seminar specific questions. W/encl Seminar Info Sheet, Proposed Agenda & maps.
GRITER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/21. 8pp. 03555:120.

7811280262 Request for exemption from certain provisions of 10CFR50, Append J, Gen Design Criteria Mod 780812 exemption request. Covers Types A,B & C Test Requirement & exemption requests.
FINFROCK, I. R. Jersey Central Power & Light Co. 78/11/22. 16pp. 07174:231.

7812060420 Forwards Page 3, 10-2 of App A to Tech Specs containing correct LHCR's for fuel types III E & III F issued w/Amend #33 to Lic#DPR-16 on 781111.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/22. 3pp. 94084:357.

7812080214 Summary of 781103 meeting to discuss proposed repair of suby facil cracked core spray sparger. Forwards Jersey Central Pur & Light Co's proposed repair of crack & list of attendees.
NOWICKI, B. J. Operating Reactors Branch 2 (Pre 790625). 78/11/22. 19pp. 94137:055.

--7812130345 Amend#34 to Provisional Oper Lic#DPR-16 W/encl amended Tech Specs.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/24. 6pp. 94307:324.

--7812130351 Safety evaluation supporting Amend #34 to Provisional Oper Lic#DPR-16
* Office of Nuclear Reactor Regulation, Director. 78/11/24. 8pp. 94307:331.

--7812130353 Notice of Issuance of Amend #34 to Provisional Oper Lic #DPR-16
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/24. 2pp 94307:339.

7812080239 Notification of 781130 meeting re difficulty of obtaining reload fuel, possibility of reloading mixed cores from various vendors, impact on lic reviews & scheduling.
NOWICKI, B. J. Operating Reactors Branch 2 (Pre 790625). 78/11/28. 1p. 94137:153

7812110066 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing W/encl AND:
#7812080207.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/29. 8pp. 94338:189

7812200116 Ack receipt of 781117 util ltr to State of NJ containing info on repair of core spray sparger.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/29. 2pp. 94159:110.

--7812200276 Ack 781031 request for info re Core Sparger clamping device. Info will be released if licensee does not justify withholding IAW 10CFR2.790.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/03. 1p. 94159:112.

--7812200280 Informs util of 781027 State of NJ request for info re Core Spray Sparger. Unless info is claimed as proprietary IAW 10CFR2.790 in 20 days, info will be released.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/03. 1p. 94159:113.

7812110326 Responds to 780510 ltr. Feedwater trip on high reactor level not necessary for safe operation. Forwards safety evaluation.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/30. 2pp. 94204:234.

--7812110329 Safety Evaluation concluding feedwater pump trip on high reactor level is unnecessary for safe operation of facility.
* Operating Reactors Branch 2 (Pre 790625). 78/11/30. 2pp. 94204:236.

7812140176 Forwards Oct 1978 Prog Activity Review listing meetings held & providing task-by-task activity summary for the month.
BOBQN, L. J. General Electric Co. 78/12/04. 11pp. 94103:174.

7812280165 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, D. K. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94374:360.

7812150108 Requests addl info from SEP licensees re elec penetrations of reactor containments in order to complete eval.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/08. 4pp. 94212:137.

7812210095 Forwards NUREG-0485, Vol 1, No 2 "Status Summary Rept- Sys Eval Prog." W/o encl.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/08. 2pp. 94269:160.

7812270048 Requests comments on SEP Topic V-10, A "Residual Heat Removal Sys Heat Exchanger Tube Failures." Info incl: detection & control of radioactive leakage, auxiliary cooling water sys & primary coolant sys.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/13. 6pp. 94160:255.

781220108 Summary of 781130 meeting w/uttl to discuss lic requirements of reload submittal using reload fuel from more than 1 vendor. Uttil requested a future meeting
NOWICKI, B. J. Operating Reactors Branch 3 (Pre 790623) 78/12/18
3pp 94344.138.

781220185 Forwards review of qual tables completed to date plus identity of appropriate references & confirmation of accuracy & completeness of the tables
FINPROCK, I. R. Jersey Central Power & Light Co 78/12/19 5pp.
94018.001

G. Inspection reports, IE Bulletins & correspondence

7810290226 Forwards IE Inspec Rept#50-219/78-21 on 780830-31 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch 78/09/18 2pp 94393.048

--7810250227 IE Inspec Rept#50-219/78-21 on 780830-31 during which no items of noncompliance were noted. Major areas inspected included: review of Monthly Statistical Repts & control room tour.
MCCABE, E. C. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch 78/09/18 5pp 94393.050

7810160243 Forwards IE Bulletin#78-12 "Atypical Weld Material in Reactor Pressure Vessel Welds" requesting action w/in 60 days, & list of IE Bulletin issued in 1978 (See AND# 7810040253)
ORIER, B. H. Region 1, Philadelphia, Office of the Director.
78/09/29 6pp 94003.315

7811060197 Forwards IE Circular#78-17 (See AND 7810230221, Docket #50-133, 781013.)
ORIER, B. H. Region 1, Philadelphia, Office of the Director
78/10/13 1p 94489.184

7811080253 Ack receipt of 781004 ltr informing NRC of steps taken to correct violations noted during Inspec#50-219/78-20
SMITH, G. H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch, 78/10/19. 1p 94406.127.

--7811080258 Responds to 780913 NRC ltr re violations noted in Inspec Rept#50-219/78-20. Corrective actions: dosimeters stored in emergency kits will be placed on dosimeter calibrator tickler sheet.
ROSS, D. A. Jersey Central Power & Light Co 78/10/04 1p.
94406.128

--7811080260 Forwards IE Inspec Rept#50-219/78-20 on 780822 & Notice of Violation.
CROCKER, H. W. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch 78/09/13 2pp. 94406.129

--7811080264 Notice of Violation from Inspec on 780822-24.
* Region 1, Philadelphia, Fuel Facility & Materials Safety Branch.
78/09/13 1p 94406.131.

--7811080268 IE Inspec Rept#50-219/78-20 on 780822-24 during which 1 item of noncompliance was noted: Failure to spike & leak test self-reading dosimeters prior to being placed into svc.
DONALDSON, D. E. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/09/11. 8pp. 94406.132

7811080229 Ack receipt of 781006 ltr informing NRC of steps taken to correct violations noted during Inspec#50-219/78-19
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/20. 1p. 94406.007.

--7811080234 Responds to 780913 NRC ltr re violation noted in Inspec Rept #50-219/78-19. Corrective actions: reemphasis of importance of proper classifying of job orders & review of surveillance procedures
ROSS, D. A. Jersey Central Power & Light Co 78/10/06 2pp
94406.008.

--7811080238 Forwards IE Inspec Rept #50-219/78-19 on 780822-25 & Notice of Violation
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/15. 2pp. 94406.010.

--7811080242 Notice of Violation from Inspec on 780822-25
* Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/15. 2pp. 94406.012.

BAUNACK, W. H. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch 78/09/12 14pp 94406.014

7812010275 Forwards IE Inspec Rept#50-219/78-23 on 780926-29 during which no items of noncompliance were noted
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch 78/10/23 2pp 94417.217

--7812010276 IE Inspec Rept#50-219/78-23 on 780926-29 during which no items of noncompliance were noted. Major areas inspected incl: refueling outage maintenance procedures & follow up of non-routine Event Rept 78-18
BRIGGS, L. J., KALMAN, G. Region 1, Philadelphia, Office of the Director 78/10/20 6pp 94417.219

7812010345 Forwards licensee performance evaluation for Region 1 No operating reactor in Region 1 is considered to have either abnormal or unusual safety concern.
ORIER, B. H. Region 1, Philadelphia, Office of the Director
78/11/01 4pp 94418.254

7811290208 Forwards IE Circular #78-18, "UL Fire Test "W/encl AND 781130002
ORIER, B. H. Region 1, Philadelphia, Office of the Director
78/11/06. 1p 94238.033

7812070284 Ack receipt of 781024 ltr informing NRC of steps taken to correct violations noted during Inspec#50-219/78-22
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch 78/11/16 1p 94085.223.

--7812070288 Responds NRC 781004 ltr re violations noted in Inspec Rept #50-219/78-22. Corrective actions: snubbers inspected & snubber accumulator oil level corrected
ROSS, D. A. Jersey Central Power & Light Co 78/10/24. 3pp
94085.224

--7812070290 Forwards IE Inspec Rept#50-219/78-22 on 780905-07 & Notice of Violation
ORIER, B. H. Region 1, Philadelphia, Office of the Director
78/10/04 2pp 94085.227

--7812070291 Notice of Violation from Inspec on 780905-07.
* Region 1, Philadelphia, Office of the Director 78/10/24 1p
94085.229.

--7812070295 IE Inspec Rept#50-219/78-22 on 780905-07 during which 2 items of noncompliance were noted: Failure to inspect 2 snubbers during periodic snubber inspect & failure to follow procedure during snubber inspect
COLEMAN, W. E., KALMAN, G. Region 1, Philadelphia, Office of the Director 78/09/28. 7pp 94085.230

7812010130 Ack receipt of 781030 ltr informing NRC of steps taken to correct violations noted during Inspec#50-219/78-24
BRUNNER, E. J. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch 78/11/20 1p 94418.061

--7812010131 Responds to 781006 NRC ltr re violation noted in Inspec Rept #50-219/78-24. Corrective actions: replaced prints w/latest rev in Document Center. Compliance achieved 780922.
ROSS, D. A. Jersey Central Power & Light Co 78/10/30 2pp.
94418.062

--7812010132 Forwards IE Inspec Rept#50-219/78-24 on 780919-21 & Notice of Violation
BRUNNER, E. J. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/10/06 2pp 94418.064.

--7812010134 Notice of Violation from Inspec on 780919-21
* Region 1, Philadelphia, Office of the Director 78/10/04 1p
94418.066

--7812010136 IE Inspec Rept#50-219/78-24 on 780919-21 during which 1 item of noncompliance was noted: Failure to use controlled & up-to-date drawings.
HIGGINS, J. C., WONG, H. J., FOLEY, T. Region 1, Philadelphia, Office of the Director. 78/10/04 8pp. 94418.067

7812150142 Forwards IE Bulletin#78-12A, suppl to IE Bulletin#78-12 W/encl AND 7811300053.
ORIER, B. H. Region 1, Philadelphia, Office of the Director.
78/11/24. 1p. 94212.196.

7810170200 Forwards 1977 effluent release data w/suggested corrections in margin
FINFRCK, I R Jersey Central Power & Light Co 78/10/11 4pp.
94236 357.

7810230259 Forwards Monthly Oper Rept for Sept 1978
ROSS, D A Jersey Central Power & Light Co 78/10/12 1p
94170 029

--7810230261 Monthly Oper Rept for Sept 1978
MCCLAIN, C M Jersey Central Power & Light Co 78/10/12 26pp
94170 030

7810270097 'Woodborer Study Associated w/Subj Facil Generating Station' for 780504 to 780810.
RICHARD, B R, DELMARE, C L, HILLMAN, R E Battelle Memorial Institute, Columbus Laboratories. 78/09/15 14pp 94059 263

7810270094 Forwards copies of "Thirteenth Quarterly Woodborer Study Rept 780505-780810"
FINFRCK, I R Jersey Central Power & Light Co 78/10/23 1p
94059 262

7811210239 Forwards Monthly Oper Rept for Oct 1978
ROSS, D A Jersey Central Power & Light Co 78/11/14 1p
94487 342

--7811210241 Monthly Oper Rept for Oct 1978
MCCLAIN, C M Jersey Central Power & Light Co 78/11/14 8pp
94487 343

7812200180 Forwards Monthly Oper Rept for Nov 1978
ROSS, D A Jersey Central Power & Light Co. 78/12/14 1p
94198 344

--7812200182 Monthly Oper Rept for Nov 1978
MCCLAIN, C M Jersey Central Power & Light Co 78/12/14 6pp
94198 345

B. Reportable occurrences, LERs & related correspondence

7811090202 Requests info on occurrences of control rods failing to fully insert to position. Reply is requested in 30 days
Recommend maint of ongoing tabulation of any addl events
ZIMMANN, D L, Operating Reactors Branch 2 (Pre 790625) 78/09/06 2pp. 94038 265

7810100070 Forwards LER#78-018/017-0.
ROSS, D A Jersey Central Power & Light Co 78/09/29 1p.
94033 078

--7810100075 LER#78-018/017-0 on 780916: 3 MSIVs (NS03A, NS04A, NS04B) had leakage rates in excess of maximum allowable due to stem packing, cracked stellite weld & failure of main poppet to seat properly. MSIV failures being investigated.
ROSS, D A Jersey Central Power & Light Co 78/09/29 4pp.

7810120071 Forwards LER#78-020/03L-0.
ROSS, D A Jersey Central Power & Light Co. 78/10/05 1p.
94383 109.

--7810120076 LER#78-020/03L-0 on 780917 Tech Specs Table 3.1.1.A.9 violated when Intermediate Range Monitor Channel 17 became inoper in addition to IRM Channel 16 which was already inoper due to maint activities performed under react vessel
ROSS, D A Jersey Central Power & Light Co. 78/10/05 3pp.
94383 110

7810180006 Forwards LER#78-017/03L-0
ROSS, D A Jersey Central Power & Light Co. 78/10/12 1p.
94422 018

--7810180007 LER#78-017/03L-0 on 780914 Circuit breaker for motor operated valve tripped when valve closed by isolation signal. Caused by component failure allowing switch setting to shift. Setting corrected & set screw tightened.
ROSS, D A Jersey Central Power & Light Co. 78/10/12 3pp
94422 019.

7810240105 Forwards LER#78-019/03L-0.
ROSS, D A Jersey Central Power & Light Co. 78/10/16 1p.

chamber air operated vacuum breakers V-26-16 & V-26-18 were found inoperable. Attributed to lack of lubrication & operator linkage misalignment
ROSS, D A Jersey Central Power & Light Co 78/10/16 1p

7811080100 RD 50-219/78-21/1P on 781017 discovered possible crack in core spray sparger piping, possibly causing loss of redundancy in core spray sys. Further investigation being conducted
CARROLL, J T Jersey Central Power & Light Co 78/10/18 3pp
94399 081

7811070105 Responds to 780906 NRC ltr re failure of control rod to fully insert on scram signal. There was 1 such occurrence on 771203. In future such events will be recorded to enhance data recovery, though no special effort made to date.
FINFRCK, I R Jersey Central Power & Light Co. 78/10/30 1p
94043 337.

7811200204 Forwards LER#78-022/03L-0
ROSS, D A Jersey Central Power & Light Co. 78/11/15 1p.
94252 041.

--7811200207 LER#78-022/03L-0 on 781017 during routine surveillance test of Standby Gas Treatment Sys. the Sys II Discharge Valve failed to open due to stuck solenoid in control air supply to operator for V-28-30.
ROSS, D A Jersey Central Power & Light Co. 78/11/15 3pp.
94252 042

7811210321 Forwards LER#78-023/03L-0.
ROSS, D A Jersey Central Power & Light Co 78/11/15 1p
94485 263

--7811210324 LER#78-023/03L-0 on 781019: IRM 12 became inoperative while cable to IRM 14 was disconnected. IRM 12 failure attributed to maint activities under vessel. Subsequent inspect showed IRM 12 cable damaged.
ROSS, D A Jersey Central Power & Light Co. 78/11/15 3pp.
94485 264.

7811260193 Forwards LER#78-024/03L-0.
ROSS, D A Jersey Central Power & Light Co. 78/11/16 1p.
94013 247

--7811260196 LER#78-024/03L-0 on 781018: isolation valve V-7-31 had damaged rubber seat & drain valve V-7-29 obstructed by piece of cork & filter F-1-38 medium disintegrated. Cause of V-7-31 & F-7-38 degradations due to detonations in sys.
ROSS, D A Jersey Central Power & Light Co. 78/11/16 3pp.
94013 248

7812110093 Forwards RD#50-219/78/26-1P on 781121.
CARROLL, J T Jersey Central Power & Light Co. 78/11/22 1p.
94338 323.

--7812110097 RD#50-219/78/21-1P on 781121: Torus to Reactor Bldg differential pressure switches DPS-66A & B had ruptured diaphragms due to excessive containment pressure.
QUINTEN, T E Jersey Central Power & Light Co. 78/11/22 2pp.
94338 326.

7812280231 Forwards Reportable Occurrence Rept#50-219/29-1P
CARROLL, J T Jersey Central Power & Light Co. 78/11/30 1p.
94373 242.

--7812280236 Reportable Occurrence Rept#50-219/78/29-1p on 781129: containment leakage rate was greater than allowable caused by failure of isolation Condenser Vent Valves, Druehl Vent Valves & DPS66A Switches. Valves repaired & replaced.
FICKELBEN, K D Jersey Central Power & Light Co. 78/11/30 3pp
94373 243.

7812290089 Forwards Reportable Occurrence Rept#50-219/78/28-1P
CARROLL, J T Jersey Central Power & Light Co. 78/11/30 1p.
94190 108

--7812290097 Reportable Occurrence Rept#50-219/78/28-1P on 781129: Main Steam Line Drain Valve & TIP isolation valve for TIPs 1-1 & 1-3 failed to close. 6K27 relay replaced. Main Steam Drain Valve repaired & TIP Sys switches & logic adjusted.
QUINTEN, T E Jersey Central Power & Light Co. 78/11/30 2pp.
94190 109.

7812070218 Forwards LER#78-025/03L-0.
ROSS, D A Jersey Central Power & Light Co. 78/12/01 1p.
03555 090

-7812070220 LER#78-025/03L-0 on 7811031 condensate storage tank was leaking due to galvanic corrosion Leak & other weak spots were patch welded
ROBB, D.A. Jersey Central Power & Light Co 78/11/30. 3pp
03555:091

'812120133 Forwards LER 78-026/01T-0.
FINFROCK, I.R. Jersey Central Power & Light Co 78/12/03 1p
94276:176.

--7812120136 LER 78-026/01T-0 on 781121 torus-to-reactor bldg differential pressure switches DPS-66A & B had ruptured diaphragms Caused by excessive differential pressures
FINFROCK, I.R. Jersey Central Power & Light Co 78/12/03 3pp.
94276:177

'812120123 Forwards LER 78-026/01T-1
FINFROCK, I.R. Jersey Central Power & Light Co. 78/12/07. 1p.
94275:354

-7812120127 LER 78-026/01T-1 on 781121, during performance of integrated primary containment leak rate test, torus-to-reactor bldg differential pressure switches found to have ruptured diaphragms Caused by design failure of switches
FINFROCK, I.R. Jersey Central Power & Light Co 78/12/03. 3pp
94275:353

812180204 Forwards LER#78-028/01T-0
FINFROCK, I.R. Jersey Central Power & Light Co 78/12/13 1p
94365:050.

-7812180208 LER#78-028/01T-0 on 781129, during test, main steam line drain valve V-1-106 did not close 2 incore probes, did not fully withdraw & reactor coolant valve did not indicate closed Due to jammed armature, faulty fuse holder & incorrect settings.
FINFROCK, I.R. Jersey Central Power & Light Co. 78/12/13 3pp
94365:051.

812190105 Forwards LER#78-029/01T-0.
FINFROCK, I.R. Jersey Central Power & Light Co 78/12/14 1p
94381:193

-7812190107 LER#78-029/01T-0 on 781129, during test, noted that containment leakage rate greater than allowable. Discovered that vent valves were leaking Caused by leakage past the seating surfaces.
ROBB, D.A. Jersey Central Power & Light Co 78/12/14. 3pp.
94381:194.

812200236 Forwards preliminary Reportable Occurrence#50-219/78/33-1P
CARROLL, J.T. Jersey Central Power & Light Co. 78/12/14 1p.
94162:338

-7812200240 Reportable Occurrence#50-219/78/33-1P on 781214, during routine reactor startup following scram from full power, a reactor scram in range 1 of IRMs occurred for less than 3 seconds. There was no safety significance.
ROBB, A.H. Jersey Central Power & Light Co 78/12/14 2pp
94162:339

812270316 Forwards LER#78-027/03L-0.
ROBB, D.A. Jersey Central Power & Light Co 78/12/21. 1p
94230:354

-7812270323 LER#78-027/03L-0 on 781125, switch RE03C was found to trip at pressure less conservative (1073 psig) than specified in Tech Specs 2.3.3 Cause of pressure switch tripping is attributed to sensor repeatability.
ROBB, D.A. Jersey Central Power & Light Co. 78/12/21. 3pp.
94230:355.

812290213 Forwards LER#78-030/03L-0.
ROBB, D.A. Jersey Central Power & Light Co. 78/12/22. 1p.
94190:357.

-7812290219 LER#78-030/03L-0 on 781126, during testing containment spray pumps 31C & 31A failed to start on signal due to excess friction in circuit breaker trip bar bearings. Bearings were cleaned & lubricated.
ROBB, D.A. Jersey Central Power & Light Co. 78/12/22. 3pp.
94190:358.

DUCKETT 30-220 NINE MILE POINT NUCLEAR STATION, UNIT 1
F. Security, medical, emergency & fire protection plans

7810170188 Forwards addl info as requested in 780710 ltr re subj facil
Fire Protec. Prog. incl organizational chart, fire & security emergency equipment for safe shutdown, instru. & station air sys, safe shutdown sys-valves, failure analysis
DISE, D.P. Niagara Mohawk Power Corp. 78/10/06 101pp. 94239:096

781290192 Forwards requested info, Fire Pump Test Curves, Fire Main Connections, Floor Drain Bys Drawings(27), Test Plan & Specs For Pipe & Cable Penetration Fire Stop Qual Tests Oversized drawings available in Central Files
DISE, D.P. Niagara Mohawk Power Corp 78/11/17 41pp 94239:283

7812060188 Forwards staff requests for addl info re facil fire protection based on 781017-20 site visit.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/27. 27pp. 94332:080.

7812140136 Forwards mod to Security Plan to permit storage of equip in new Admin Bldg for Spring 1979 outage Encl w/hold pursuant to 2.790.
DISE, D.P. Niagara Mohawk Power Corp 78/12/08. 1p 94133:336

0. Adjudicatory correspondence

7812130090 Requests that NRC place notice in Fed Register of util's appl to install radioactive waste volume reduction incinerator to facilitate holding of pub hearing on appl
DILLINBECK, L., MARTIN, K., PARKER, R. Scriba, NY 78/10/10 1p
94294:287

781200057 Responds to Bd of Town of Scriba, NY, resolution requesting NRC publish a notice of opportunity for hearing in Fed Register & request of Planning Bd to intervene on behalf of Scriba Matters are under consideration
BORDENICK, D.H. Office of the Executive Legal Director. 78/11/06. 1p. 94215:348

781240102 Forwards Appl for Amend to Operating Lic for subj facil. Appl incl attachments which set forth requested change in Tech Specs & supporting data.
THOMAS, E.B. LeDowef, Lamb, Leiby & MacRae. 78/11/21 2pp
94449:240

--781240103 Appl for amend to operating lic for subj facil incl attachments on proposed changes to Tech Specs & supporting documentation. Changes involve fuel cladding & limiting safety sys setting.
DISE, D.P. Niagara Mohawk Power Corp. 78/11/20. 52pp 94449:242

7812280285 Ack receipt of 781031 ltr re Niagara Mohawk Pur Corp proposal to install a low level waste incinerator/calcliner at subj facil NRC is now revisiting safety & environ aspects of the proposal & no decision has been made re issuance of an EIS
BTELLD, V. Division of Operating Reactors 78/12/15. 1p
94083:114.

--7812280285 Criticizes NRC's publicly stated position that NRC does not plan any environ impact statement(EIS)or Fed Register Notice re installation of low level waste incinerator/calcliner at subj facil
* Ecology Action of Oswego. 78/10/31. 2pp. 94083:115

7811090052 Resolution auth Oswego County Planning & Dev Comm to intervene as a party-at-interest in Niagara Mohawk proposed radioactive waste volume incinerator proceeding
BEST, J. Oswego, NY. 78/10/12. 1P. 94040:098.

F. Operating license stage documents & correspondence

7810110088 Responds to 780807 NRC request for evaluation of motor generator sets that provide pur to reactor protec sys. Info will be available by 781231. Meanwhile, surveillance described in 780807 NRC ltr will continue.
DISE, D.P. Niagara Mohawk Power Corp. 78/10/04 2pp. 94063:360.

7810180187 Summary of 780921 meeting re proposed installation of radioactive waste incinerator at subj facil. W/encl meeting agenda.
BARRETT, L. Environmental Evaluation Branch (Pre 790625). 78/10/05. 23pp 94317:172.

7811030006 Forwards request for addl info re expansion of spent fuel & storage capacity at subj facil: measured man-rem exposure to do the work; increased purification sys oper; water leakage from spent fuel pool; contaminated metal estimation. IPPCLITD, T.A. Operating Reactors Branch 3 (Pre 790625). 78/10/18 3pp. 02720:253.

7810300146 In response to 780711 submission of lic amend to delay inspect of sensitized stainless steel samples to meet termination objective; all samples will be removed during 1979 refueling outage & analyzed by separate organization. BCKMEIDER, R.R. Niagara Mohawk Power Corp. 78/10/25. 1p. 94039:123

7811130041 Forwards NRC/NY State contract w/mod for environ monitoring in vicinity of subj facil as requested in 780619 meeting. SMITH, D.H. Region 1, Philadelphia. Fuel Facility & Materials Safety Branch. FIN B-5109. 78/10/26. 18pp. 94010:206.

7811130335 Summary of 780914 meeting w/OE representatives & Mark 1 Owners Group re progress of Long Term Prog w/attendance list & agenda (RD-9-A-Mark 1 Standards). ORIHES, C. Plant Systems Branch (Pre 791030). 78/10/26. 67pp. 94007:223.

7811160022 Notice of Proposed Issuance of Amend to Facil Oper Lic #DPR-63, changing Tech Spec to increase spent fuel storage capacity from 1984 to 3009 fuel assemblies. IPPCLITD, T.A. Operating Reactors Branch 3 (Pre 790625). 78/10/27. 4pp. 94316:307.

7811200251 Forwards "Notice of Proposed Issuance of Amend to Facil Oper Lic" to be published in Fed Register. IPPCLITD, T.A. Operating Reactors Branch 3 (Pre 790625). 78/10/27. 2pp. 94379:311.

--7811200252 Notice of Proposed Issuance of Amend to Facil Lic, revising Tech Spec to increase spent fuel storage capacity from 1984 fuel assemblies to 3009. IPPCLITD, T.A. Operating Reactors Branch 3 (Pre 790625). 78/10/27. 4pp. 94379:312.

7811070114 Advises that subj facil specific Tech Specs will be submitted 90 days after finalization of NRC model specs, estimated date Feb 1979. DISE, D.P. Niagara Mohawk Power Corp. 78/10/30. 1p. 94043:300.

7811150154 Requests payment of Class 4 fee of re 780901 application for amend to License DPR-63 per 10CFR170.22. Application relates to installation of radwaste reduction sys & associated waste handling equipment. MILLER, W.D. License Fee Management Branch. 78/10/30. 1p. 94273:033.

--7811150159 Ack receipt of fee from Niagara Mohawk dtd 781107, check 251131. DIOGB, R.M. License Fee Management Branch. 78/11/13. 1p. 94273:034.

7811240038 Forwards request for addl info re control rod removals at subj facil. Info req w/in 60 days. IPPCLITD, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/09. 3pp. 94455:309.

7811290288 Responds to 781104 request for info concerning licensee reg performance eval for Region 1 plants by NRC. Provides details. QRIER, B.H. Region 1, Philadelphia, Office of the Director. 78/11/09. 9pp.

7811220186 Responds to 781023 ltr to Secretary of the Comm re health & safety consequences of operating a low level waste incinerator planned for subj facil. Forwards Topical Rept WE1/NNI-77-7-NP & 780901 Niagara Mohawk Power Corp ltr. DENTON, H.R. Office of Nuclear Reactor Regulation, Director. 78/11/15. 1p. 94070:135.

--7811220191 "RWR-1tm Radwaste Vol Reduction Sys." Describes RWR-1tm vol reduction sys for appl to radioactive waste produced at nuc elec generating station utilizing fluidized bed to calcine liquids & incinerate solids. * Newport News Industrial Corp. (subs. of Newport News Shipbuilding & Drydock Co.). NNI-77-7NP. 77/06/24. 109pp. 94070:156.

--7811130391 Request for tech info re health & safety consequences of operating low level waste incinerator planned for installation at subj facil. Also seeks info re preparation of EIS. COCHRAN, T.B. Natural Resources Defense Council. 78/10/25. 1p. 94008:287.

--7811220193 Forwards Radwaste Reduction info sys. Sys does not involve unreviewed safety questions based on fact that no equipment in radwaste bldg is important to safety. Bldg sched to begin Feb 1979 & be completed by Oct 1980. DISE, D.P. Niagara Mohawk Power Corp. 78/09/01. 12pp. 94070:273.

7812130132 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out meet. W/encl Registration Form & List of Locations. MILLER, J.R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 3pp.

781100367 Informs NMP that NRC has contracted w/Mountain West Res Inc to undertake a series of post-licensing studies of nuc pur stations. Studies will analyze socioeconomic impacts which occurred during constr & post-constr periods of each plant. DEYOUNG, R.C. Division of Site Safety & Environmental Analysis. 78/11/20. 2pp. 94116:317.

7812070162 Notice of seminar on 781208 on new Model Radiological Effluent Tech Specs for nuc pur plants. Requests advance submission of seminar specific questions. W/encl Seminar Info Sheet, Proposed Agenda & maps. QRIER, B.H. Region 1, Philadelphia, Office of the Director. 78/11/21. 8pp. 94127:041.

7812110048 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND: #7812080207 IPPCLITD, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/29. 8pp. 94408:206.

7812030148 Forwards "New solidification & Assoc Waste Handling Equip." Rept for sys capable of solidifying, storing & loading radioactive waste for shipment w or w/o vol reduction. Mod does not involve unreviewed safety questions. DISE, D.P. Niagara Mohawk Power Corp. 78/11/30. 6pp. 94334:355.

7812140176 Forwards Oct 1978 Prog Activity Review listing meetings held & providing task-by-task activity summary for the month. GOSDN, L.J. General Electric Co. 78/12/04. 11pp. 94103:174.

7812280107 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result. DAVIS, J.O. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 03555:325.

7812200194 Requests approval of radwaste reduction sys described in Attachment A per requirements of 10CFR20.305. Repts wastes processed by radwaste reduction sys will decrease amount of solid waste shipped to burial grounds. DISE, D.P. Niagara Mohawk Power Corp. 78/12/13. 11pp. 94162:249.

7812270003 Ack receipt of 781030 ltr re Niagara Mohawk Power Corp's proposal to install a low level waste incinerator at subj Facil. Informs that no decision has been made by NRC re EIS preparation, Fed Register Notice, & pub hearing. DENTON, H.R. Office of Nuclear Reactor Regulation, Director. 78/12/15. 1p. 94159:254.

--7812270009 Forwards 780925 ltr re low level incinerator proposal by Niagara Mohawk Power Corp. Protests NRC's recommendation that no EIS be prepared, no Fed Register Notice be filed & no pub intervention be required. REBNIKOFF, M. Sierra Club. 78/10/30. 3pp. 94159:255.

7812290049 Ack receipt of 780413 ltr re need for feedwater pump trip on reactor high water level. Finds trip is not necessary for safe oper of facil. Forwards safety eval. IPPCLITD, T.A. Operating Reactors Branch 3 (Pre 790625). 78/12/15. 2pp. 94190:001.

--7812290052 Safety Eval of proposed actions re BWR feedwater pump trip on reactor high water level. Concludes licensee-proposed actions to install high water level trip are acceptable. * Operating Reactors Branch 3 (Pre 790625). 78/12/15. 2pp. 94190:003.

7812270176 Responds to 780821 NRC ltr requesting addl info re spent fuel mod. Forwards "Boreflex 1 Suitability Rept." DISE, D.P. Niagara Mohawk Power Corp. 78/12/20. 75pp. 94018:096.

7812270240 Requests refund of \$8300 of amend fee paid 781107 on grounds that the Radwaste Reduction Sys amend actually is a Class 3 amend. DISE, D.P. Niagara Mohawk Power Corp. 78/12/21. 1p. 94017:149.

811210367 Forwards add info re multiple consecutive safety/relief valve actuation of Mark I containment program
808DN.L.J. General Electric Co. 78/11/13 3pp 94485.126.

--7811150190 Forwards IE Inspec Rept#90-220/78-13 on 780905-08 & Notice of Violation
BRUNNER, E.J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch 78/09/26. 2pp. 94242.237.

Inspection reports, IE Bulletins & correspondence

810260019 Ack receipt of 780928 ltr informing NRC of steps taken to correct violations noted during inspec#50-220/78-11.
BRUNNER, E.J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch 78/10/06. 1p 94410.058

--7811150192 Notice of Violation from Inspec on 780905-08
BRUNNER, E.J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch 78/09/26 1p 94242.239

-7810260022 Responds to 780906 NRC ltr re violations noted in Inspec Rept#50-220/78-11 Corrective actions. Quality Control Manual reviewed by 790101 subg audits done add clerks made available to Quality Control Oper.
SCHNEIDER, R.R. Niagara Mohawk Power Corp. 78/09/28. 3pp. 94410.059.

--7811150194 IE Inspec Rept#50-220/78-13 on 780905-08 during which 1 of noncompliance was noted: failure to adhere to admin procedure re control of test instruments.
BAUNACK, W.H. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch 78/09/26 6pp 94242.240

-7810260023 Forwards IE Inspec Rept#50-220 on 780914-18 & Notice of Violation
BRUNNER, E.J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch 78/09/08. 2pp. 94410.062.

7811290170 Forwards IE Circular #78-18, 'UL Fire Test 'W/encl AND.
7811150002
ORIER, B.H. Region 1, Philadelphia, Office of the Director. 78/11/06 1p 94238.071

-7810260025 Notice of Violation from Inspec on 780814-18.
* Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/08. 2pp 94410.064.

7812280199 Forwards IE Inspec Rept#90-220/78-15 on 780925-29 & Notice of Violation
SMITH, Q.H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/11/09. 3pp. 94373.166

-7810260028 IE Inspec Rept#50-220/78-11 on 780814-18 during which 4 items of noncompliance were noted: Quality Control Manual not reviewed or released in 3 yrs & deficiency & staffing audits not performed in time.
NAPUDA, Q., BECKMAN, D., BAUNACK, W.H. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/07. 20pp. 94410.066.

7812270446 Forwards IE Inspec Rept#90-220/78-18 on 781024-27 during which no items of noncompliance were noted.
BRUNNER, E.J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch 78/11/13 2pp. 94015.149.

811060208 Forwards IE Circular#78-17. (See AND: 7810230221, Docket #50-133, 781013.)
ORIER, B.H. Region 1, Philadelphia, Office of the Director. 78/10/13 1p. 94489.219.

--7812270449 IE Inspec Rept#50-220/78-18 on 781024-27 during which no items of noncompliance were noted. Major areas inspected incl: admin controls for facil procedures & format & tech content of facil procedures.
CONTE, R.J., BLUMBERG, N.J., KISTER, H.B. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch 78/11/09. 12pp. 94015.151

812010037 Forwards IE Inspec Rept#50-220/78-14 on 780925-27 during which no items of noncompliance were noted.
SMITH, Q.H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/10/20. 1p. 94416.082.

7812150146 Forwards IE Bulletin#78-12A, suppl to IE Bulletin#78-12. W/encl AND. 7811300035
ORIER, B.H. Region 1, Philadelphia, Office of the Director 78/11/24 1p 94212.207.

-7812010041 IE Inspec Rept#50-220/78-14 on 780925-27 during which no items of noncompliance were noted. Major areas inspected incl: analytical measurement quality control prog, audit results, effluent control records & procedures.
KOTTAN, J.J., STOHR, J.P. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/10/19. 8pp. 94416.084.

R. Periodic operating reports & related correspondence

811300038 Ack receipt of 781017 ltr informing NRC of steps taken to correct violations noted during Inspec#50-220/78-12.
SMITH, Q.H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/11/01. 1p. 94112.332.

7810160119 Forwards Monthly Oper Rept for Sept 1978
SCHNEIDER, R.R. Niagara Mohawk Power Corp. 78/10/06 1p. 94007.130.

-7811150041 Responds to 780927 NRC ltr re violations noted in Inspec Rept 50-220/78-12. Corrective actions: all radiat work permits drafted by those w/less than 2 yrs experience have been reviewed & will be continued.
SCHNEIDER, R.R. Niagara Mohawk Power Corp. 78/10/17. 3pp. 94112.333.

--7810160121 Monthly Oper Rept for Sept 1978
PERKINS, T.J. Niagara Mohawk Power Corp. 78/10/04 5pp. 94007.131.

-7811150043 Forwards IE Inspec Rept#50-220/78-12 on 780828-13 & Notice of Violation.
CROCKER, H.W. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/09/27. 2pp. 94112.336.

7811210302 Forwards monthly Oper Rept for Oct 1978
SCHNEIDER, R.R. Niagara Mohawk Power Corp. 78/11/08 1p. 94488.096.

-7811150045 Notice of Violation from Inspec on 780828-31.
* Region 1, Philadelphia, Office of the Director. 78/09/27. 2pp. 94112.338.

--7811210303 Monthly Oper Rept for Oct 1978.
PERKINS, T.J. Niagara Mohawk Power Corp. 78/11/06 6pp. 94488.097.

-7811150049 IE Inspec Rept 50-220/78-12 on 780828-31 during which 4 items of noncompliance were noted: 4 HP technicians experience short of requirements, failure to perform dosimeter calibrations & alpha surveys as req.
FLUNKIE, K. Region 1, Philadelphia, Office of the Director.
CLEMONS, P.E., KNAPP, P.J. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/09/22. 9pp. 94112.340.

7812120102 Forwards Monthly Oper Rept for Nov 1978.
SCHNEIDER, R.R. Niagara Mohawk Power Corp. 78/12/07 1p. 94275.024.

--7812120103 Monthly Oper Rept for Nov 1978.
PERKINS, T.J. Niagara Mohawk Power Corp. 78/12/05. 4pp. 94275.025.

81150184 Ack receipt of 781017 ltr informing NRC of steps taken to correct violations noted during Inspec#50-220/78-13.
BRUNNER, E.J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/03. 1p. 94242.234.

S. Reportable occurrences, LERs & related correspondence

7810100034 Forwards LER#78-033/03L-0
SCHNEIDER, R.R. Niagara Mohawk Power Corp. 78/09/29. 1p. 94033.100.

--7810100039 LER#78-033/03L-0 on 780916: Surveillance tests on Barton Model#289 Pressure Indicating Switches showed changes in setpoints due to instru drift. Rev surveillance test scheds now adequate to ensure early detection of drifts.
* Niagara Mohawk Power Corp. 78/09/29. 1p. 94033.101.

7811030141 RD on 781025 waste tanks discharged at rates exceeding calculated max due to failure of flow meter on discharge line & attempts to control discharge rate by manual throttle of discharge valve.
PERKINS, T. J. Niagara Mohawk Power Corp. 78/10/26. 1p. 02723:311.

7811030400 Reportable Occurrence #78-35 on 781026: Sept Proportional Composite Found concentrations of sodium & sulfate exceeding maximum increase over 150 ambient concentration specified in ETS Caused by waste tanks flow meter failure
PERKINS, T. J. Niagara Mohawk Power Corp. 78/10/26. 1p. 94008:326

7811030319 RD 78-35 on 781028 during routine surveillance test all B main stream high flow transmitters were set less conservatively than req due to test pressure gauge out of calibr.
PERKINS, T. J. Niagara Mohawk Power Corp. 78/10/20. 1p. 94087:067

7811090155 Forwards LER#78-036/04T-0.
SCHNEIDER, R. R. Niagara Mohawk Power Corp. 78/11/02. 1p. 94043:017.

--7811090165 LER#78-036/04T-0 on 781025: improper appl of Brook Model#9436 Oval Gear Flowmeter combined w/failure seal on caustic addition pump caused high concentration of sodium & sulfate & degraded capability to control rate of discharge.
MACVITTIE, D. K. Niagara Mohawk Power Corp. 78/11/02. 1p. 94043:018.

--7811090206 Details event & cause description & preventative actions re sodium & sulfate discharges exceeding ETS values.
SCHNEIDER, R. R. Niagara Mohawk Power Corp. 78/11/02. 2pp. 94043:019.

7811090271 Forwards LER#78-035/01T-0.
SCHNEIDER, R. R. Niagara Mohawk Power Corp. 78/11/02. 1p. 02729:355

--7811090273 LER#78-035/01T-0 on 781020: all main steam high flow pressure indicating instr were found w/setpoints less than Tech Specs. Heise O-200 PSIG test gauge calibrated & used in test had loose screw & was recalibrated.
MACVITTIE, D. K. Niagara Mohawk Power Corp. 78/11/01. 4pp. 02729:356.

7811210201 Forwards LER#78-037/03L-0, #78-038/03L-0 & #78-039/03L-0.
SCHNEIDER, R. R. Niagara Mohawk Power Corp. 78/11/13. 1p. 94485:201.

--7811210283 LER#78-037/03L-0 on 781027: test revealed trip setpoint of 26.5 inches water on one vacuum switch in vacuum relief sys from pressure suppression chamber to rx bldg. Caused by instru drift in a Mercoid Model CP4122 vacuum switch.
MACVITTIE, D. K. Niagara Mohawk Power Corp. 78/11/14. 1p. 94485:202.

--7811210287 LER#78-038/03L-0 on 781025: review of N1-18P-RE22 test results found 12 instances where procedure was violated. Caused by carelessness in procedure implementation. Re-instruction & closer supervision instituted.
MACVITTIE, D. K. Niagara Mohawk Power Corp. 78/11/14. 1p. 94485:203

--7811210292 LER#78-039/03L-0 on 781103: surveillance test N1-18P-RE02 revealed Rx Lo-Lo water level switch w/trip setpoint of +2 inches water. Caused by instru drift. Setpoint reset.
MACVITTIE, D. K. Niagara Mohawk Power Corp. 78/11/14. 1p. 94485:204

7812140149 Forwards LER#78-040/03L-0.
SCHNEIDER, R. R. Niagara Mohawk Power Corp. 78/12/08. 1p.

--7812140154 LER#78-040/03L-0 on 781113: #112 core spray topping pump motor breaker closed starting pump but breaker closing spring motor was running continuously & not charging closing spring. Caused by misaligned motor assembly at latching pawl.
JUTRAS, R. Niagara Mohawk Power Corp. 78/12/08. 1p. 94127:008.

DOCKET 30-223 UNIV. OF LOWELL RESEARCH REACTOR

P. Operating license stage documents & correspondence

7812070055 Requests response concerning subj facil location adjacent to proposed constr of a hydro-electric dam. Studies are being conducted by Lowell Corp.
WALLACE, T. Lowell, Univ. of. 78/11/27. 1p. 94134:030.

Q. Inspection reports, IE Bulletins & correspondence

7811020060 Act receipt of 780926 ltr informing NRC of steps taken to correct violations noted during inspect#30-223/78-03.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/10. 1p. 94374:159.

--7811020177 Responds to 780915 Notice of Violation re compliance w/ posting regs. As of 780929, 10CFR21 & Energy Reorganization Act of 1974 Section 206 are properly posted
BEGHAIN, L. E. Lowell, Univ. of. 78/09/26. 1p. 94374:160.

--7811020178 Forwards IE Inspec Rept#30-223/78-03 & Notice of Violation
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/15. 2pp. 94374:161.

--7811020182 Notice of Violation from inspect on 780817-18
BRUNNER, E. J. Region 1, Philadelphia, Office of the Director. 78/09/15. 1p. 94374:163.

--7811020186 IE Inspec Rept#30-223/78-03 on 780817-18 during which 1 item on noncompliance was noted: failure to comply w/10CFR21 posting requirements
GREENMAN, E. Q. Region 1, Philadelphia, Office of the Director. 78/09/15. 6pp. 94374:164.

DOCKET 30-224 UNIV. OF CALIFORNIA RESEARCH REACTOR

F. Security, medical, emergency & fire protection plans

7811030009 Review of physical security plan revision complete. Plan acceptable.
REID, R. W. Operating Reactors Branch 4 (Pre 790623). 78/10/17. 2pp. 02720:262.

DOCKET 30-225 RPI CRITICAL EXPERIMENT

J. Insurance & indemnity information

7811010071 Rpts that insurance broker is sending Advance Premium endorsement Indemnity agreement was forwarded earlier.
LEAVITT, J. B. Rensselaer Polytechnic Inst. 78/10/26. 1p. 94481:059.

DOCKET 30-227 TRIUMF THERMIONIC PROTOTYPE REACTOR

F. Security, medical, emergency & fire protection plans

7812190145 Forwards current physical security plan in compliance w/regs. classified as "Nat'l Security Info" pursuant to certain DOE requirements. Requests that earlier copies be destroyed, and new copies be withheld.
MOWRY, W. R. General Atomic Co. (subs. of Gulf Oil Co.). 78/12/15. 1p. 94340:070.

DOCKET 30-236 LOCKHEED AIRCRAFT CORP.

U. Congressional/Executive Correspondence

7810140036 Response to 780911 ltr for comments re individuals who are concerned over radioactive milk contamination in area near facil. Forwards NRC preliminary evaluation of Steinglass rept on Strontium-90 levels in milk near subj facil.
DIRCKS, W. J. Office of the Executive Director for Operations. 78/10/06. 2pp. 94329:073.

DOCKET 30-237 DRESDEN NUCLEAR POWER STATION, UNIT 2

A. Application/construction stage documents & correspondence

7812150228 Classifies lic amend for proposed fuel pool mod as Class IV & I not Classes III & I. Requires add'l charge of \$8300 for each of the two appl. to be paid w/in 15 days.
MILLER, W. O. License Fee Management Branch. 78/12/11. 2pp.

F. Security, medical, emergency & fire protection plans

7810120080 Forwards analysis of Elec Cable Penetration Fire Barrier Test conducted on 780619. Also forwards 3rd party observer rept of test & 5 detailed drawings associated w/test.
84048:130

112070172 Forwards Fire protec info incl Hydraulic calculations & Automatic Sprinkler Co Drawing#26-1730, of sprinkler sys for Fire pump in Crib House. Oversize drawings available in Central Files.
NAUGHTON, W. F. Commonwealth Edison Co. 78/11/30. 6pp. 03555:144.

112180195 Informs NRC name of Fire protec consulting firm hired by CEIL to fulfill requirements of "Fire Protec Organization of Nuc Plant Fire Protec Functional Responsibilities Admin Controls & GA" will be submitted 790201.
NAUGHTON, W. F. Commonwealth Edison Co. 78/11/30. 2pp. 94277:099.

Adjudicatory correspondence

10180112 Applicant's Answer to Petition for Leave to Intervene re proceeding filed 780908 by Attorney Gen of St of IL includes notices of appearance for M. I. Miller, J. R. Rowe, & P. P. Steptoe. Includes designation of person upon whom svc shall be made.
STEPTOE, P. P. Isham, Lincoln & Beale. 78/09/18. 10pp. 94484:039.

10190131 Answer by CEIL to Petition to intervene filed by Atty Gen of IL on 780920. Agrees that Atty Gen has standing, but insists there are no genuine issues to be heard at hearing. Requests that Atty Gen request for EIS be denied.
STEPTOE, P. P. Isham, Lincoln & Beale. 78/10/02. 3pp.

0300063 Natural Resources Defense Council Request for Leave to File Response. Response is to applicant's contention re constitutionality of forced disclosure of group's members' names in order to open w/in state.
ROIZMAN, A. Z. Natural Resources Defense Council. 78/10/10. 4pp. 4037:177.

0300324 NRC Staff Answers to Council for Citizens for Better Environ & Natural Resources Defense Council's Petition for Leave to Intervene. Staff opposes granting petition w/Cert of Svc.
GODDARD, R. J. Office of the Executive Legal Director. 78/10/10. 2pp. 94253:337.

0230124 NRC Staff's Response to Petition of TEX-LA Cooperative, Inc. or Leave to Intervene. Staff believes Petition should be denied.
EBERV, R. P., BLUME, M. B. Office of the Executive Legal Director. 8/10/10. 9pp.

0310223 Staff Answer to State of IL petition for Leave to Intervene. Staff does not oppose admission of IL as party to proc.
GODDARD, R. J. Office of the Executive Legal Director. 78/10/10. 3pp.

1010063 Petition for leave to intervene & for hearing filed by Citizens for Better Environ & Natural Resources Defense Council Request for leave to file response to answers opposing petition is granted.
MILHOLLIN, O. L. Atomic Safety and Licensing Board Panel. 78/10/13. 1. 94302:360.

1150923 "Natural Resources Defense Council Response to Commonwealth Edison's & Staff's Answers to Petition for Leave to Intervene." Intervenor urges Bd to establish a schedule for resolving challenges to contentions.
ROIZMAN, A. Z. Natural Resources Defense Council. 78/10/23. 16pp. 270:137.

130216 NRC request to file response to NRDC response to Comm Ed & Answer to petition for leave to intervene dtd 781023. If denied, reply will be served by 781103. Cert of Svc encl.
GODDARD, R. J. Office of the Executive Legal Director. 78/10/26. 1. 03554:050.

200070 Request by Comm Ed for leave to file a response to NRDC ltr which argues that organizations may show standing to participate in NRC proceedings merely by alleging that they present anonymous members. Cert of Svc encl.
STEPTOE, P. P. Isham, Lincoln & Beale. 78/10/30. 2pp. 94218:348.

090259 Bd grants request by Citizens for a Better Environ & Natural Resources Defense Council for permission to file response to answers opposing their petitions to intervene by 781103.
MILHOLLIN, O. L. Atomic Safety and Licensing Board Panel. 78/11/01. 02761:290.

120233 Forwards "Licensing Report, Dresden Nuc Pwr Plant, Units 2 & Spent Fuel Rack Modification," dated 780203, w/o encl rept.
GODDARD, R. J. Office of the Executive Legal Director. 78/11/01. 1p. 1289:360.

7811160021 Grants request by licensee CEIL to have until 781107 to respond to 781013 Order of ASLB permitting NRDC & Citizens for a Better Environ to file response to answers opposing their petitions to intervene in proceedings re subj facila MILHOLLIN, O. L. Atomic Safety and Licensing Board Panel. 78/11/03. 1p. 94317:090.

7811220010 NRC Staff's Response to NRDC's Response to Answers to latter's Petition for leave to intervene NRC asserts that NRDC has not demonstrated its standing to intervene as matter of right Cert of Svc encl.
GODDARD, R. J. Office of the Executive Legal Director. 78/11/03. 2pp. 94273:334.

7811200003 Special Prehearing Conference in proceedings re subj facila will be held on 781215 in Rock Island, IL. All parties to proc & all petitioners to intervene must attend & should be prepared to discuss all issues.
MILHOLLIN, O. L. Atomic Safety and Licensing Board Panel. 78/11/09. 2pp. 94215:221.

7812130122 Gives notice that A. Bielawski enters an appearance on behalf of applicant CEIL in proceedings re subj facila. Cert of Svc encl.
BIELEWASKI, A. P. Isham, Lincoln & Beale. 78/11/21. 2pp. 94307:188.

7812110284 Cancels special prehearing conference scheduled for 781215. Conference shall be held on 790111 in Tax Courtroom of US Courthouse & Fed Bldg, Chicago, IL. Parties & petitioners must report to Board by 781215 re progress of negotiations.
MILHOLLIN, O. L. Atomic Safety and Licensing Board Panel. 78/12/01. 2pp. 94203:243.

7812270230 Proposed stipulation re NRDC & CBE's representation of unnamed members in Dresden-Quad Cities transshipment is not acceptable to NRC. NRC position on NRDC's petition to intervene remains as stated in 781103 pleading.
GODDARD, R. J. Office of the Executive Legal Director. 78/12/06. 1p. 94017:138.

7812280271 Forwards "Stipulation" of NRDC, CBE & Commonwealth Edison Co re identification of members of NRDC & CBE to prove they have interests that may be affected. No agreement w/Reg Staff has been reached.
ROIZMAN, A. Z. Natural Resources Defense Council. 78/12/08. 1p. 94374:334.

--7812280280 Parties agree that NRDC & CBE have adequately identified least one member whose interest may be adversely affected by the proposed action. Auth to represent these interested members has not been agreed upon.
ROIZMAN, A. Z. Natural Resources Defense Council. STEPTOE, P. P. Commonwealth Edison Co. 78/12/11. 3pp. 94374:335.

7812270133 Special Prehearing Conf Scheduled for 790111 is postponed until 790201. Parties & petitions are excused from requirement to report to Bd by 781215 re negotiations progress.
MILHOLLIN, O. L. Atomic Safety and Licensing Board Panel. 78/12/13. 2pp. 94161:142.

H. General correspondence

7810310024 Informs that for BEP normal channel of oral communication will be followed, but to expedite reviews direct oral communication between subj facila staff & members of BEP branch is encouraged.
ZIEMANN, D. L. Operating Reactors Branch 2 (Pre 790623). 78/10/10. 2pp. 94094:345.

7812080158 Forwards CEIL request for amend of OL to allow spent fuel transfer & storage between facila. W/o encl.
GODDARD, R. J. Office of the Executive Legal Director. 78/11/17. 1p. 94107:336.

I. Financial information

7811140199 LER#78-056/017-0 on 781012: diff press switch isolation valve for DPIS 2-1622A was found closed because of unknown cause. Subj valve will be opened slowly after DIS 1600 survey.
LINDBERG, C. Commonwealth Edison Co. 78/11/01. 2pp. 94384:283.

J. Insurance & indemnity information

7812190109 Requests refund of \$6 per mut in excess indemnity fee paid for Lic#DPR-2, #DPR-19, #DPR-25, #DPR-29, #DPR-30, #DPR-39, #DPR-48.
FOOLE, R. D. Commonwealth Edison Co. 78/12/13. 1p. 94376:323.

781100105 Forwards copy of NUREG-0485, "Status Summary Rept-Systematic Eval Prog"
ZIEHMANN, D L Operating Reactors Branch 2 (Pre 790623) 78/10/19 1p

7812080026 FOIA request for all records incl quantity of radioactive mail disposed of from former Manhattan proj in IL known as Chicago Piles #1, 2 & 3 Mail disposed of in IL by Lindsay Cos at Morris facil & Dresden facil.
HANSELL, D Illinois, State of 78/11/06 2pp 94104-003

7810250198 Notice of Proposed Issuance of Amendments to Oper Lic NRC is considering issuance of amendments to Provisional Oper Lic #DPR-17 & Facil Oper Lic #DPR-25. Would change provision in Tech Specs to allow more spent fuel to be stored at facil.
ZIEHMANN, D L Operating Reactors Branch 2 (Pre 790623) 78/08/03 4pp 94292-220

7811030059 Forwards initial eval of B complete SEP topics & response to request for clarification of SEP documentation procedures made at 780531 meeting. Requests response re facts used to define plants by NRC staff.
EISCHHART, D O Assistant Director For Systems Engineering (Pre 791030) 78/08/17 2pp 94010-273

7810170185 Update & conclusion of diesel generator reliability study. Almost all corrective actions taken per investigation have been completed. Results of study summarized in encl.
STEPHENSON, B B Commonwealth Edison Co 78/09/28 3pp 94270-047

7810103027 Forwards evaluation of reactor protect sys pur supplies to determine whether undetected failures adversely affect the RPS sys.
TURBAK, M S Commonwealth Edison Co 78/10/04 3pp

7810140112 Reevaluation of Lic amend fees for inter-station spent fuel transfer for subj facili as requested by 780817 ltr shows that the class 1 & 3 fees paid for each station are correct.
MILLER, W D License Fee Management Branch 78/10/10 1p 94421-151

7811080275 Notification of 781023-24 site visit to observe, discuss & identify site specific seismic design features & info. Agenda, list of pertinent info required for review by senior seismic review team & description of SEP review encl.
ZIEHMANN, D L Operating Reactors Branch 2 (Pre 790623) 78/10/11 8pp

7810250165 Notice of meeting on 781023-24 to discuss Sys Evaluation Prog Seismic Review for subj facil.
O'CONNOR, P W Operating Reactors Branch 2 (Pre 790623) 78/10/16 1p

7810240158 Forwards evaluation of surveillance requirements on BWR recirculation pumps & discharge valves in operation w/less than all loops in svc. BWR jet pump operating indications & upper plenum injection w/DBEs affected in LOCA.
TURBAK, M S Commonwealth Edison Co 78/10/18 19pp

781100109 "Status Summary Rept, Systematic Evaluation Program"
Office of Management and Program Analysis. NUREG-0485 Vol 1
78/07/22 203pp.

7810260153 Requests 45-day extension to allow time to provide addl info re accuracy of environ qualification of safety-related electrical equipment.
TURBAK, M S Commonwealth Edison Co 78/10/23 1p 94055-338

7810270180 Responds to 781002 NRC ltr re requested Tech Spec change for reactor water cleanup sys return valve. Util accepts change as Class 3 & Class 1 amend, & remits appropriate fee.
REED, C Commonwealth Edison Co 78/10/23 1p 94057-081

7811060115 Responds to 780919 request for addl info re H-451 Response will be in 2 parts, first to be sent 781027 second 781124. H-451 review can be completed by mid-Jan. Also requests ack of 780714 ltr.
WESSEMAN, G L General Atomic Co. (subs of Gulf Oil Corp.) 78/10/23 1p

7811020322 Withdraws request to amend Tech Specs re reporting requirements for reactivity anomalies, as Reg Guide "Interpretation" by NRC on 780701 does not require rept for reactivity increase of less than 5 secs.
REED, C Commonwealth Edison Co 78/10/26 2pp 94255-223

7811030161 Forwards proposed Amend changing Tech Specs w/regard to updating station organizational charts. Changes have received onsite & offsite approval.
REED, C Commonwealth Edison Co 78/10/26 9pp 02724-009

7811130335 Summary of 780914 meeting w/OE representatives & Mark I Owners Group re progress of Long Term Prog w/attendance list & agenda (RD-9-A-Mark I Standards)
ORINES, C Plant Systems Branch (Pre 791030) 78/10/26 67pp 94007-225

7811140014 Requests addl info on ESF switchover from injection to recirculation mode, isolation of reactor protect sys from non-safety sys, ESF sys logic & design & specific drawings of elec sys, & complete plant elec drawing indices.
ZIEHMANN, D L Operating Reactors Branch 2 (Pre 790623) 78/10/26 3pp 94425-340

7811000199 Site visit on 780928 conducted for the purpose of viewing hydrological features & discussing w/licensee hydrological design bases necessary to perform a detailed SEP review. Addl hydrological info also requested.
STALEY, C B Hydrology Meteorology Branch 78/10/31 3pp 94405-156

781110013 Summary of meeting w/CELL on 781023-24 to discuss questions re seismic design of subj facil & obtain seismic design info w/encl list of attendees, meeting agenda, charter of SBRT, floor response spectra, & design repts & tech paper.
LEVIN, H A Systematic Evaluation Programs Branch (Pre 790623) 78/11/02 410pp 94259-001

7811140105 Responds to 780516 NRC ltr requesting addl info re reactor vessel metal surveillance specimen fluence valves at time of withdrawal, w/projections based on dosimetry results of previously tested capsules & 80% capacity factor, w/o encl.
TURBAK, M S Commonwealth Edison Co 78/11/03 2pp 94425-125

7811140002 Notifies applicant of 781128 NRC-sponsored seminar re Model Radiological Effluent Tech Specs for Nuc Pur Plants w/encl Seminar Info Sheet (to be completed & returned by 781117) & Proposed Agenda.
KEPPLER, J G Region 3, Chicago, Office of the Director 78/11/07 6pp 94426-022

7811150246 Notices of forthcoming mtg w/Commonwealth Edison Co to discuss schedule for inspec of type 3 safe ends at subj facil.
O'CONNOR, P W Operating Reactors Branch 2 (Pre 790623) 78/11/07 1p 94273-063

7811170287 Requests addl info for review of proposed subj facil Spent Fuel Pool Mod. Question items include occupational exposure during SFP mod, effect on exposure level of cut up low density racks, SFP cooling sys, vol of contaminated matl.
ZIEHMANN, D L Operating Reactors Branch 2 (Pre 790623) 78/11/08 7pp 94045-179

7811210257 Updates 770510 ltr info re control rod drive (CRD) uncoupling prog. Forwards historical data list of all CRD's occurring between 760522 & 771211. Improved Quality Control & Filter installation procedures are adequate to prevent uncoupling.
TURBAK, M S Commonwealth Edison Co 78/11/13 4pp 94488-335

7811300058 Forwards Amend #39, #37, #48 & #47 for Lic DPR-19, DPR-25, DPR-19 & DPR-30 respectively. Amends revise Tech Specs re operating temp & pressure limits. Also forwards Safety Eval & Fed Register Notice.
IPPOLITO, T A Operating Reactors Branch 3 (Pre 790623) 78/11/13 3pp

--7811300064 Amend #39 to the Operating Lic rev Tech Specs re operating temp & pressure limits.
IPPOLITO, T A Operating Reactors Branch 3 (Pre 790623) 78/11/13 8pp

--7811300067 Amend #37 to the Operating Lic rev Tech Specs re operating temp & pressure limits.
IPPOLITO, T A Operating Reactors Branch 3 (Pre 790623) 78/11/13 8pp

--7811300070 Amend #48 to the Operating Lic rev Tech Specs re operating temp & pressure limits.
IPPOLITO, T A Operating Reactors Branch 3 (Pre 790623) 78/11/13 8pp

--7811300073 Amend #47 to the Operating Lic rev Tech Specs re operating temp & pressure limits.
IPPOLITO, T A Operating Reactors Branch 3 (Pre 790623) 78/11/13 8pp

-7811300077 Safety Eval Rept in support of Amend#39, #37, #48 & #47 to Oper Lic's DPR-19, DPR-25, DPR-29 & DPR-30, respectively
* Office of Nuclear Reactor Regulation, Director 78/11/13 4pp

-7811300089 Notice of Issuance of Amend#39, #37, #48 & #47 to Oper Lic's DPR-19, DPR-25, DPR-29 & DPR-30, respectively
IPPOLITO, T A Operating Reactors Branch 3 (Pre 790625) 78/11/13 2pp

11280430 Forwards draft Sys Eval Prog Safety inputs re Topic VIII-3 A, Station Battery Test Req Requests they be transmitted to licensees
DAVIS, D K Systematic Evaluation Programs Branch (Pre 790625) 78/11/14 23pp

12150071 Notification of workshops in Jan-May 1979 in Regions 1-5 to explain techniques of job analysis & performance testing & how to relate such testing to qualification plan development & training Designed for working level personnel
MILLER, J R Assistant Director for Site & Safeguards (Pre 791030) 78/11/15 5pp 94210 215

12180246 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for BWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc PWR Plants" (NUREG-0133)
ORIMES, B K Assistant Director for Engineers & Projects (Pre 790625) 78/11/15 6pp 94366 125

12050107 Forwards rev page to Topical Rept CE-1-A "Qual Assurance Prog. Rev. 6." Rev reflects Reg Guide 28 & 1.33 rev
TURBAK, M S Commonwealth Edison Co 78/11/17 2pp 94335 354

11280213 Forwards current lic status list for subj facis
REED, C Commonwealth Edison Co 78/11/20 9pp 94012 130

11280246 Forwards "Projected Fluence Values at Withdrawal for the Capsules Designated to Meet the Requirements of 10CFR50 Appendix H." Table 1 to be attached to 781103 ltr to Ippolito
TURBAK, M S Commonwealth Edison Co 78/11/20 2pp 94012 162

12120155 Forwards revised lists w/ environ qualification of safety-related electrical equipment in response to NRC 780906 ltr (includes SEP by equipment type, SEP submittal ref, location, time required & type of environ)
TURBAK, M S Commonwealth Edison Co. 78/12/01 31pp 94276 297

12140176 Forwards Oct 1978 Prog Activity Review listing meetings held, providing task-by-task activity summary for the month
JOHNS, L J General Electric Co 78/12/04 11pp 94103 174

2120070 Presents proj & justification for feedwater nozzle/sparger & internal rod drive return line nozzle inspec progs Concludes hat no further inspec of CRD return line nozzle is warranted
URBAK, M S Commonwealth Edison Co 78/12/05 8pp 94274 001

2280129 Emphasizes importance of submitting accurate & complete info o NRC by licensees & applicants Info submitted must be substantiated by data & calculations Licensee must notify NRC of any inaccuracies or enforcement action will result
AVIS, J G Office of Inspection & Enforcement, Office of the Director 78/12/06 2pp 94311 336

2140361 Requests eval of systems designed to accomodate effects of spc breaks inside containment at subj facil in order for RC to complete SEP review
IEMANN, D L Operating Reactors Branch 2 (Pre 790625) 78/12/07 pp 03557 235

2150099 Requests addl info from SEP licensees re elec penetrations f reactor containments in order to complete eval
IEMANN, D L Operating Reactors Branch 2 (Pre 790625) 78/12/08 pp 94212 032

2210078 Forwards NUREG-0485, Vol 1, Number 2, "Status Summary Rept, EP," w/o encl
IEMANN, D L Operating Reactors Branch 1 (Pre 790625) 78/12/08 pp 94269 360

2150228 Classifies lic amend for proposed fuel pool mod as Classess / & I not Classes III & I Requires addl charge of \$8300 for each of the two appl. to be paid w/in 15 days
MILLER, W D License Fee Management Branch. 78/12/11 2pp 1213 329

1220093 Repts on problems encountered during integrated primary containment leak rate test procedure re temp & humidity measurement in subvol bounded by water level Requests exemption from 10CFR50 in order to eliminate subvol problem.
URBAK, M S Commonwealth Edison Co 78/12/12 6pp 94343 334

7812050013 Requests views of Regional Directors on Licensee performance eval of subj facis Forwards questions to be answered by 771209
THORNBURG, H Division of Reactor Construction Inspection 77/11/23 2pp

7812190097 Accepts topical rept#CE-1-A Rev#6, "Comm Edison Co Quality Assurance Prog for Nuc Generating Stations " Requests submittal of 36 copies
HAAES, W P Quality Assurance Branch 78/12/13 1p 94376 317

7812220067 Summary of 781130 meeting of SEP Seismic Review Team in San Francisco, CA re progress in seismic review of facility List of attendees, agenda & outline of draft final rept on Facility seismic review encl
LEVIN, H A Systematic Evaluation Programs Branch (Pre 790625) 78/12/13 8pp 94248 311

G Inspection reports, IE Bulletins & correspondence

7810110052 Forwards IE Insp Repts 50-010/78-23, 50-237/78-21 & 50-249/78-23 on 780907-10 & 16-18 & notice of deviation
DAVIS, A B Region 3, Chicago, Office of the Director 78/09/08 2pp 94080 049

--7810110054 Notice of Deviation from inspec on 780807-10 & 780816-10
* Region 3, Chicago, Fuel Facility & Materials Safety Branch 78/09/08 1p 94063 226

--7810110062 IE Insp Repts#50-010/78-23, #50-237/78-21 & #50-249/78-23 on 780807-10 & 16-18 during which 1 item of deviation was noted Failure to meet FSAR commitment for monitoring unit 2/3 liquid rad waste effluents
GREGOR, L R, FISHER, W L Region 3, Chicago, Office of the Director 78/09/06 11pp 94063 227

7811010018 Forwards IE Insp Repts#50-10/78-25, #50-237/78-22 & 50-249/78-24 on 780705-06, 11-12, 19-20, 780817, 23-25, 29-31 & 780901, during which no items of noncompliance were noted
FIORELLI, G Region 3, Chicago, Reactor Operations Nuclear Support Branch 78/09/20 2pp 94290 141

--7811010022 IE Insp Repts#50-10/78-25, #50-237/78-22 & #50-249/78-24 on 780705-06, 11-12, 19-20, 780817, 23-25, 29-31, 780901, during which no items of noncompliance were noted Major areas inspec followup of noncompliances & review of plant oper.
BARKER, J L Region 3, Chicago, Office of the Director, KNOP, R C Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/09/20 7pp

7810110277 Responds to 780908 NRC ltr re deviation noted in Insp Repts 50-010/78-23, 50-237/78-21, 50-249/78-23 Corrective actions, liquid radwaste discharge monitor will be returned to svc & alarm will be made operable
REED, C Commonwealth Edison Co 78/09/22 3pp 94079 148

7810400203 Ack receipt of 780922 ltr informing NRC of steps taken to correct item of noncompliance identified in ltr of 780908
DAVIS, A B Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/10/12 1p 94367 089

7810300030 Forwards IE Circular#78-17, (See AND: 7810230221)
KEPPLER, J G Region 3, Chicago, Office of the Director 78/10/13 1p

7811000261 Forwards IE Insp Repts#50-010/78-26, 50-237/78-23 & 50-249/78-23 on 780905-08, 12-14, 20-22, & 26-28 & Notice of Violation
FIORELLI, G Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/25 2pp 94075 233

--7811300264 Notice of Violation from inspec on 780905-08, 12-14, 20-22 & 26-28
* Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/25 1p 94075 061

--7811300268 IE Insp Repts#50-010/78-26, 50-237/78-23 & 50-249/78-23 on 780905-08, 12-14, 20-22 & 26-28 during which 1 item of noncompliance was noted failure to rept a 30 day reportable event in 30 days
BARKER, J L, CHRISTODIMOS, N, HUGHES, J Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/25 15pp 94075 237

7811080334 Forwards request for addl info necessary to continue review of Insvc Insp Prog proposed for subj facis Request relates to pump & valve testing portion of proposed program Requests response by 781130
IEMANN, D L Operating Reactors Branch 2 (Pre 790625) 78/10/26 9pp 94406 288

7812030011 Forwards IE Inspec Rpts#50-010/78-29, 30-237, -254, -295, -304/
78-25, 30-249/78-27 & 30-263/78-26 on 781002 during which no
items of noncompliance were noted
KEPPLER, J. G. Region 3, Chicago, Office of the Director 78/10/30.
2pp. 94200 183

--7812030027 IE Inspec Rpts for sub j facili on 781002 during which no
items of noncompliance were noted Major areas inspected
incl: discussion of actions being taken by util to improve
its reg performance & tour of Zion station
KNDP, R. C. , FIORELLI, G. Region 3, Chicago, Reactor Operations
Nuclear Support Branch. KEPPLER, J. G. Region 3, Chicago, Office of
the Director. 78/10/30. 3pp. 94200 185.

7811150063 Forwards IE Circular 78-18, "Underwriters Lab Fire Test "
KEPPLER, J. G. Region 3, Chicago, Office of the Director. 78/11/06
1p. 94112 240.

7811280486 Unresolved items noted in IE Inspec Rpts#50-010/77-28,
#50-237/77-25 & #50-249/77-25 have been reviewed &
recommendations made Documentation of unresolved items
witheld per IOCFR2 790(d)
HIND, J. A. Region 3, Chicago, Safeguards Branch 78/11/16 1p
94391:358

7812030287 Forwards IE Bulletin 78-12A, "Atypical Weld Matl in Reactor
Pressure Vessel Welds."
KEPPLER, J. G. Region 3, Chicago, Office of the Director 78/11/24.
1p 94202 332

7812140081 Forwards IE Inspec Rpts#50-010/78-28, #50-237/78-24 &
#50-249/78-26 on 781010-13, 781016-19 & Notice of Violation.
KEPPLER, J. G. Region 3, Chicago, Office of the Director. 78/12/01.
2pp. 94128 227

--7812140086 IE Inspec Rpts 50-010/78-28, 30-237/78-24 & 30-249/78-26 on
781010-13 & 781016-19 Noncompliance noted defective security
organization observed, including access controls & physical
barriers. Info partially withheld (ref FOIA Exemption 3).
BELANGER, J. L., HOWELL, J. C., HIND, J. A. Region 3, Chicago,
Safeguards Branch. 78/11/20. 2pp. 94128:229.

7812130330 Notification of site visit on 781206-07 to discuss
operational considerations re insvc inspec prog.
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625) 78/12/05.
1p. 94307. 332

7812290026 Forwards IE Bulletin 78-14, "Deterioration of Buna-N
Components in ASCO Solenoids."
KEPPLER, J. G. Region 3, Chicago, Office of the Director. 78/12/19.
1p. 94208:009.

R. Periodic operating reports & related correspondence

7811140119 Forwards monthly operating rpt for Oct 1978
STEPHENSON, B. B. Commonwealth Edison Co. 78/11/08. 1p. 94429:184.

B. Reportable occurrences, LERs & related correspondence

7810130163 Forwards LER#78-051/03L-0
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/02. 1p. 94003:018.

--7810130170 LER#78-051/03L-0 on 780907: during survey DIB 1600-11, valve
#2-1601-24 failed to oper in specified time limit, probably
caused by foreign matter lodging in solenoid oper 4-way
valve.
* Commonwealth Edison Co. 78/10/02. 1p. 94003:019.

7811210356 Confirms sys trip on low suction pressure Valve line-up
changed. Operability proven. Caused by low pressure trip
switch being out of calibr.
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/02. 1p. 94485:019.

7810200092 Forwards LER#78-055/01T-0.
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/13. 1p. 94140:338.

--7810200097 LER#78-055/01T-0 on 780930: performing DOS 2300-3 the HPCI
turbine tripped on low pump suction pressure of 11.5 psig
which exceeds Dresden set point of 9.4inch Hg vacuum
increase. Caused by instru drift of pressure switch P82-2360.
LINDERBERG, C. Commonwealth Edison Co. 78/10/13. 2pp. 94140:339.

7810270234 Forwards LER#78-053/03L-0.
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/17. 1p. 94059:001.

--7810270236 LER#78-053/03L-0 on 780926: Equip Attendant noted Main Steam
Line Flow Switch 261-2D was valved out due to unknown cause.
Event had minimal safety significance & switch returned to
svc. Surveillance sheets wd require daily check of switches.
PULLO, R. E. Commonwealth Edison Co. 78/10/17. 1p. 94059:002.

7811240210 Forwards LER#78-051/03X-1.
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/17. 1p. 94461:361.

--7811240211 LER#78-051/03X-1 on 780907: during surveillance test DIB
1600-11, valve 2-1601-24 failed to operate in specified time
limit Caused by foreign matter lodged in solenoid operated 4
way valve, preventing proper bleed off.
CIESZKIEWICZ, B. Commonwealth Edison Co. 78/10/17 1p.
94461:362

7810270287 Forwards LER#78-052/03L-0
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/19. 1p. 94023:339.

--7810270296 LER#78-052/031-0 on 780922: During surveillance test, diesel
failed to start due to air start sys fault. Second attempt
was successful. Air start sys will be mod to provided multiple
start attempts.
DOYLE, J. E. Commonwealth Edison Co. 78/10/19. 1P. 94023:340.

7811030143 Forwards LER#78-054/03L-0.
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/24. 1p. 02723:312.

--7811030145 LER 78-054/03L-0: on 780930 torus vacuum relief valve
AQ-1601-20B would not close. Alarm received. Valve fully open.
Caused by blown fuse in control circuit due to short in
AQ-1601-203 air operated solenoid valve.
PARCELL, Commonwealth Edison Co. 78/10/24 1p. 02723:313.

7811090116 Forwards LER#77-015/03X-1
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/27. 1p. 94042:296

--7811090119 LER#77-015/03X-1 on 770402: CRD L-5 uncoupled & overtraveled
when w/drawn to pos 4B. Caused by unlatched inner filter &
abnormally long uncoupling rod. Procedure rev & QA coverage
improved to prevent future CRD uncouplings.
WUJICGA, J. Commonwealth Edison Co. 78/04/02. 2pp. 94042:297.

7811090129 Forwards LER#77-022/03X-1.
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/27. 1p. 94042:303.

--7811090130 LER#77-022/03X-1 on 770605: CRD L-5 uncoupled & overtraveled
when w/drawn to pos 4B. Caused by unlatched inner filter &
abnormally long uncoupling rod. Procedure rev & QA coverage
improved to prevent future CRD uncouplings.
WUJICGA, J. Commonwealth Edison Co. 78/06/05. 2pp. 94042:304.

7811090138 Forwards LER#76-072/03X-1.
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/27. 1p. 94042:319.

--7811090142 LER#76-072/03X-1 on 761228: CRD J-11 uncoupled & overtraveled
when w/drawn to pos 4B. An unlatched inner filter &
abnormally long rod resulted in coupling of CRD J-11. QA
coverage improved & procedures rev to prevent uncoupling.
WUJICGA, J. Commonwealth Edison Co. 76/10/27. 2pp. 94042:320.

7811140160 Forwards LER#77-014/03X-1.
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/27. 1p. 94383:311.

--7811140163 LER#77-014/03X-1 on 770402: during normal startup oper, CRD
H-8 was found to uncouple & overtravel when withdrawn to
pos 4B. Caused by an unlatched inner filter & abnormally long
uncoupling rod.
WUJICGA, J. Commonwealth Edison Co. 78/10/27. 2pp. 94383:312.

7811210304 LER#76-068/03X-1 on 761212: during 50% core scram testing
CRD F-5 uncoupled & overtraveled when withdrawn to position
#4B. Unlatched inner filter & abnormally long uncoupling rod
resulted in uncoupling CRD F-5 during testing.
WUJICGA, J. Commonwealth Edison Co. 78/10/27. 2pp. 94488:103.

7811210301 Forwards LER#76-068/03X-1.
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/31. 1p. 94487:034.

7811140193 Forwards LER#78-056/01T-0.
STEPHENSON, B. B. Commonwealth Edison Co. 78/11/01. 1p. 94384:282.

7811140203 Forwards LER#77-029/03X-1 "Update".
STEPHENSON, B. B. Commonwealth Edison Co. 78/11/02. 1p. 94384:342.

--7811140213 LER#77-029/03X-1 on 770802 during 1/2 core scram test. CR08 F-5 & H-7 uncoupled when w/drawn to position 40 Caused by unlatched inner filter & abnormally long coupling rod A pull test has been incorporated into overhaul procedure
* Commonwealth Edison Co 78/10/27 2pp 94384 343.

7811140215 Forwards LER#77-054/03X-1
STEPHENSON, B. B. Commonwealth Edison Co 78/11/02 1p 94400.033

--7811140220 LER#77-054/03X-1 on 77-1102 during Unit 2 refueling outage, control rod drive (CRD) H-5 overtraveled indicating uncoupling during functional testing. Caused by unlatched inner filter abnormally long uncoupling rod
* Commonwealth Edison Co 78/10/27 2pp 94400 034

7811160122 Forwards Reportable Occurrence#77-054/03X-1 "Update."
STEPHENSON, B. B. Commonwealth Edison Co 78/11/02 1p 94125.182

--7811160125 RO#77-054/03X-1 on 771102 CRD H-5 uncoupled during functional testing caused by unlatched inner filter & abnormally long uncoupling rod inner filter pull test in reassembly procedure & improved QA coverage incorporated
MUJIC, A. J. Commonwealth Edison Co 78/10/27. 2pp 94135.183

7811160112 Forwards LER#78-057/03L-0
STEPHENSON, B. B. Commonwealth Edison Co 78/11/09 1p 94135.158

-7811160115 LER#78-057/03L-0 on 781013 2-1402-4b flow test valve failed to close fully against pump pressure Caused by valve being inadequately lubricated
ACHTERBERG, J. Commonwealth Edison Co 78/11/09 2pp 94135.159

811210177 Forwards LER#78-058/03L-0.
STEPHENSON, B. B. Commonwealth Edison Co 78/11/13. 1p. 94478.327

-7811210181 LER#78-058/03L-0 on 781018 LPCT suction valve HQ-2-1501-9C failed to close during operability test. Failure traced to valve stem not being adequately lubricated. Lubrication interval shortened
ACHTERBERG, J. Commonwealth Edison Co. 78/11/13 2pp. 94478.328

312040191 Forwards LER#75-048/03X-2
STEPHENSON, B. B. Commonwealth Edison Co 78/11/17. 1p. 94457.115.

-7812040195 LER#75-048/03-2 on 731007: during normal oper a through-wall crack was discovered in drywell-torus nitrogen surge line 1604-1B New startup procedure has been written incl precautionary measures to inerting procedure.
PULLO, R. Commonwealth Edison Co. 78/11/17. 2pp 94457.116.

812150270 Forwards LER#78-061/03L-0
STEPHENSON, B. B. Commonwealth Edison Co. 78/12/08 1p. 94213.162.

7812150272 LER#78-061/03L-0 on 781108 AD-2-1601-24 failed to close due to solenoid valve stuck open w/dirt in valve internals. Solenoid valve replaced, tested & returned to svc
PARCELL, Commonwealth Edison Co. 78/12/08. 1p 94213.163.

12180223 Forwards LER#78-062/03L-0.
STEPHENSON, B. B. Commonwealth Edison Co 78/12/08. 1p. 94366.131.

7812180228 LER#78-062/03L-0 on 781115 AD 1601-56 valve failed in closed position Caused by shorted out coil on solenoid. Solenoid coil & fuse replaced & valve verified operational.
CIESZKIEWICZ, B. Commonwealth Edison Co. 78/12/08. 1p. 94366.132

12270300 Forwards LER#78-033/03X-1.
STEPHENSON, B. B. Commonwealth Edison Co 78/12/12 1p. 94230.334

7812270332 LER#78-033/03X-1 on 780522 during test performed on U-2 D/O to measure overshoot & overspeed setpoint, the diesel tripped 4 times due to overspeed caused by governor speed set too high
CHAN, J. Commonwealth Edison Co. 78/12/12 2pp. 94230.335.

2210189 Forwards LER#78-063/03X-0.
TERPHENSON, B. B. Commonwealth Edison Co. 78/12/15. 1p. 94278.340.

812210195 LER#78-063/03X-0 on 781003: "A" pump flow was 2.6 SCFM, "B" pump was 0.0 SCFM (flow greater than 2.9 SCFM is normal). Caused by improper valve lineup & normal wear products from carbon impeller vanes on sample lines, pump cavity & filter.
WEIDNER, R. Commonwealth Edison Co. 78/12/15. 3pp. 94278.341.

2270261 Forwards LER#78-063/03L-0.
TERPHENSON, B. B. Commonwealth Edison Co 78/12/19 1p. 94232.331

--7812270271 LER#78-063/03L-0 on 781123 MSIV 2-203-1A closed in 2 seconds & MSIV 2-203-1C in 2 seconds after initiation signal, caused by MSIV 2-203-1A & MSIV 2-203-1C valve limiting out of adjustment
ACHTERBERG, J. Commonwealth Edison Co 78/12/19. 2pp 94232.332

7812290210 Forwards LER#78-064/03L-0
STEPHENSON, B. B. Commonwealth Edison Co 78/12/21. 1p 94190.347

--7812290215 LER#78-064/03L-0 on 781124 leak found in 4"x4"x4" ed on the 2/3 waste collector tank recirculation line Caused by acid corrosion of carbon steel side of weld/carbon steel flange will be replaced w/flange of stainless steel.
JANSEN, T. Commonwealth Edison Co 78/12/21 1p. 94190.347

DOCKET 50-243 OREGON STATE UNIV. RESEARCH REACTOR

0 Inspection reports, IE Bulletins & correspondence

7812270432 Forwards IE Inspec Rept#50-243/78-03 on 781024-26 during which no items of noncompliance were noted.
CREWS, J. L. Region 5, San Francisco, Reactor Operations Nuclear Support Branch 78/11/22. 2pp 94312.342

--7812270436 IE Inspec Rept#50-243/78-03 on 781024-26 during which items of noncompliance were noted Major areas inspected logs & records, review & audit, requal training procedures, refueling, surveillance, experiments & tour of facility
MORRILL, P. J., CARLSON, J. C. Region 5, San Francisco, Reactor Operations Nuclear Support Branch 78/11/29 3pp. 94312.344

DOCKET 50-244 ROBERT EMMET OINNA NUCLEAR PLANT, UNIT 1

F. Security, medical, emergency & fire protection plans

7810250018 Request for addl info on fire protec prog & protec of spreading relay room.
ZIEMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 70/10/6pp.

7810170297 Responds to 780913 ltr requesting info re proposed fire protec & structural design mod. Items 1, 2, & 3 of request are answered. Items 4 & 5 were answered in fire protec submittal of 780922
WHITE, L. D. Rochester Gas & Electric Corp. 78/10/11. 4pp 94236.346.

7811060088 Forwards responses to 3 of 5 questions submitted in 781106 ltr re fire protec. Addl time is necessary to respond to questions 78 & 79.
WHITE, L. D. Rochester Gas & Electric Corp. 78/10/31. 11pp 94424.103

7812130012 Forwards rev pages of facil security plan (MABP). Request withholding from pub disclosure pursuant to 2790.
WHITE, L. D. Rochester Gas & Electric Corp. 78/12/08. 1p. 94306.326

0. Adjudicatory correspondence

7810230238 Forwards Appl for Amend to Oper Lic#DPR-18 Tech Spec & for \$4000.
LARBON, L. K. LeBoeuf, Lamb, Leiby & MacRae. 78/10/12. 1p 94032.245.

7810230256 Appl for amend to License DPR-18 to revise Tech Spec in App A re DC electrical sys operation requirements.
WHITE, L. D. Rochester Gas & Electric Corp. 78/10/10. 11pp. 94032.246.

H. General correspondence

7810310173 Informs that for SER normal channel of oral communication will be followed, but to expedite review direct oral communication between subj facil staff & members of SER is encouraged.
ZIEMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 70/10/2pp. 94090.227.

J. Insurance & indemnity information

7811290245 Forwards Endorsement#57 to Liability Policy #NELIA NF-1 Endorsement#47 to Policy#AELU MF-47.
WHITE, L. D. Rochester Gas & Electric Corp. 78/11/16. 3pp. 94237.197.

P. Operating license stage documents & correspondence

781103004 Requests addl info on pressure shielding steel diaphragm in turbine bldg so that ORBW2 can continue eval of mode.
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/09/13. 3pp. 94087:241.

7810160129 Requests 60 days deferral on response to 780711 ltr requesting proposed Tech Specs to implement Appendix I to 10CFR50. Addl time required due to implementing improvements in Health Physics Prog.
WHITE, L. D. Rochester Gas & Electric Corp. 78/10/10. 1p. 94006:066

7810170182 Forwards response to 780906 ltr. This response is not complete & is pending review w/other SEP utils. Final response will be submitted on or before 781130.
WHITE, L. D. Rochester Gas & Electric Corp. 78/10/11. 1p. 94270:071.

--7810170263 Responds to 780906 ltr re overpressure protec sys at subj facil. Superior addl alarms have replaced original computer alarm. Tech specs submitted 781011 do not incl relief valve testing & testing requirements.
WHITE, L. D. Rochester Gas & Electric Corp. 78/10/11. 1p. 94270:072.

7810160108 Forwards appl for amend to oper lic & encl which set forth requested change in Tech Specs. Tech basis for change, & tech info asserting change is of no safety or environ significance.
LARBON, L. K. LeBouef, Lamb, Leiby & MacRae 78/10/12. 4pp. 94001:326.

--7810160111 Appl for amend to operating lic. Requests that Tech Specs to lic be amended to add definitions for surveillance intervals. Encl safety eval shows proposed change does not involve change or increase in amounts of effluents.
WHITE, L. D. Rochester Gas & Electric Corp. 78/10/10. 6pp. 94001:330.

7810310243 Denial of PASN's appl for extension of period of interim oper using the installed once-thru cooling sys. Denial based on NRC deference to EPA decision & NRC desire to evaluate that decision before taking action.
BALLARD, R. L. Environmental Projects Branch 1. 78/10/13. 3pp. 94091:325.

7810180148 Forwards Appl for Amend to Oper Lic.
LARBON, L. K. LeBouef, Lamb, Leiby & MacRae. 78/10/16. 2pp. 94216:345.

--7810180130 Appl for amend to license DPR-18 requesting Tech Specs be changed to rev organization. Safety Eval & Fee Determination are encl.
WHITE, L. D. Rochester Gas & Electric Corp. 78/10/11. 11pp. 94316:347.

7810310147 Ack receipt of 780905 ltr re Systematic Eval Prog documentation procedures. Forwards response to util comments.
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/17. 28pp. 94090:179.

7810190058 Forwards Appl for amend to oper lic#DPR-18 w/requested changes in Tech Specs & check for \$4000 to cover appropriate fee.
LARBON, L. K. LeBouef, Lamb, Leiby & MacRae. 78/10/18. 3pp. 94413:113.

--7810190069 Appl for Amend to Oper Lic#DPR-18 w/proposed Tech Spec change to include reactor overpressure protec sys requirements, safety eval & justification for classification of amend.
WHITE, L. D. Rochester Gas & Electric Corp. 78/10/11. 15pp. 94413:118.

7811060172 Summary of 781004 meeting re prog for review & eval of pipe breaks inside subj facil containment structure. Topics incl aspects of pipe breaks, asymmetric LOCA loads, Mechanistic Approach & costs of addl pipe stress calculations.
JABBUR, K. N. Systematic Evaluation Programs Branch (Pre 790625). BHEA, J. U. Operating Reactors Branch 2 (Pre 790625). 78/10/20. 6pp. 94489:097.

7811001052 Requests addl info on EBF Switchover from injection to recirculation mode, isolation of reactor protec sys from nonsafety sys, EBF sys logic & design, specific drawings of elec sys & complete plant elec drawing indices.
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/26. 3pp. 94047:182.

7811070142 Revises sched for completion of Westinghouse work re resolution of upper plenum injection of ECCB water due to resolution of Zirconium-water inconsistency. Also forwards sched of Exxon Nuc Corp work on UPI.
WHITE, L. D. Rochester Gas & Electric Corp. 78/10/31. 2pp. 94044:020.

7811070182 Proposes to perform radiographic examination of reactor coolant pump casing welds during 1981 refueling & maint outage using portable Linac X-Ray unit by Elec Pur Res Inst which should be available in 1980.
WHITE, L. D. Rochester Gas & Electric Corp. 78/11/01. 2pp. 94036:339.

7811030315 Rept on 780906-07 site visit & 780908 meeting w/util. Examined site & obtained hydrological info.
FONTECILLA, H. M. Systematic Evaluation Programs Branch (Pre 790625). 78/11/02. 10pp. 94087:043.

7811030232 Notifies that Provisional Oper Lic#DPR-18 issued on 780328 omitted Tech Specs for piping penetrations w/expansion bellows. Leakage testing w/air medium is not req for containment penetration sys.
WHITE, L. D. Rochester Gas & Electric Corp. 78/11/03. 1p. 03584:159.

7811408241 Furnishes addl info re 781004 meeting to discuss SEP Topic 3-3, A. High Energy Line Breaks inside Containment. Discusses pipe stress calculations, high energy line break outside containment, Generic Task A-2 & Asymmetric LOCA loads.
WHITE, L. D. Rochester Gas & Electric Corp. 78/11/08. 2pp. 94400:099.

7811280430 Forwards draft Sys Eval Prog Safety inputs re Topic VIII-3, A. Station Battery Test Req. Requests they be transmitted to licensees.
DAVIS, D. K. Systematic Evaluation Programs Branch (Pre 790625). 78/11/14. 23pp.

7812130176 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out mail w/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 5pp.

7812190054 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
ORMEB, L. D. Assistant Director for Engineers & Projects (Pre 790625). 78/11/18. 6pp. 94215:075.

7811270260 Ack receipt of request for approval to employ the existing cooling sys for full core discharge sched for early Spring 1979 at Dinna. Request falls in Class III appl for lic amend & util is requested to forward \$4,000.
MILLER, W. O. License Fee Management Branch. 78/11/17. 1p. 94272:004.

7811280216 Describes fuel inspec plans for 1979 shutdown. At end of present Cycle B, B to 10 Exxon fuel assemblies will be inspec visually w/binoculars. Shutdown & inspec planned for late Feb & early March, 1979.
WHITE, L. D. Rochester Gas & Electric Corp. 78/11/20. 2pp. 94012:081.

7812070146 Notice of seminar on 781208 on new Model Radiological Effluent Tech Specs for nuc pur plants. Requests advance submission of seminar specific questions. W/encl Seminar Info Sheet, Proposed Agenda & maps.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/21. 8pp. 94375:248.

7811290179 Forwards addl drawings for systematic eval prog(SEP) in response to 780626 request. Proprietary drawings will be provided under cover. 26 oversize drawings in Central Files.
WHITE, L. D. Rochester Gas & Electric Corp. 78/11/22. 443pp. 94474:218.

7812010373 Rept on 781109 measurement of nuc pur reactor environ to determine capability of existing personnel dosimetry sys at subj facil. Results will be forwarded to NRC for study. Util cooperation was exemplary.
BLOOM, S. Environmental Evaluation Branch (Pre 790625). 78/11/24. 2pp. 94416:354.

7812060303 Notification of 781207 meeting w/BEP Owner's Group in Bethesda, MD to discuss plans to address seismic input for use in BEP seismic review.
LEVIN, H. A. Systematic Evaluation Programs Branch (Pre 790625). 78/11/24. 2pp.

from reactor vessel 15 days after shutdown per existing Tech Specs. Refueling should proceed as reactor vessel inspection can be accomplished.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/27. 3pp. 94127:232.

7812140316 Forwards Amend#20 to Provisional Oper Lic#DPR-1B & Notice of Issuance.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/27. 3pp. 03556:350.

7812110038 Discusses possible dangers of LOCA in containment purging during normal plant operation. Requests either commitment to limit purging or justification for continuing. W/enc1 AND.
7812080207.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/29. 8pp. 94408:147.

7812090152 Forwards "Ginna Station Insvc Pump & Valve Test Prog for the Period 790301-801231." Append C to Facil Quality Assurance Manual.
WHITE, L. D. Rochester Gas & Electric Corp. 78/11/30. 3app. 94318:309.

7812090187 Responds to 780906 NRC request for review of environ qual tabs for elec equip at subj facil. Forwards requested info & rev pages for initial 780224 environ qual rept. Facil does not use connectors or junction boxes.
WHITE, L. D. Rochester Gas & Electric Corp. 78/12/01. 31pp. 94335:176.

7812080123 Summary of 781004 meeting re High Energy Line Breaks inside Containment. Addl info is being gathered on this subj.
WHITE, L. D. Rochester Gas & Electric Corp. 78/12/04. 1p. 94106:335.

7812080128 Forwards ref list inadvertently omitted from encl of Environ Qual of Elec Equip Rev 1 submitted 781201.
WHITE, L. D. Rochester Gas & Electric Corp. 78/12/04. 2pp. 94106:349.

812280075 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies, or enforcement action will result.
DAVIS, J. Q. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 03555:191.

812150101 Requests addl info from SEP licensees re elec penetrations of reactor containments in order to complete eval.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/08. 4pp. 94212:058.

812210021 Forwards NUREG-0485, Vol 1, No 2 "Status Summary Rept-Bye Eval Prog." W/o encl.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/08. 2pp. 94249:337.

812210047 Forwards Amend#21 to Provisional Oper Lic#DPR-1B revising Tech Specs as requested in 780308 ltr w/Safety Eval & Notice of Issuance.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/08. 2pp. 94269:019.

7812210050 Amend#21 to Provisional Oper Lic#DPR-1B revising Tech Specs re reduction in maximum pressurizer heatup rate from 200F per hour to 100F, reduction in frequency of tests for Low Nuc Pur 25% trip setpoint & elimination of valve test.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/08. 7pp. 94269:021.

7812210052 Safety Eval Rept supporting Amend#21 to Provisional Oper Lic#DPR-1B concluding that proposed changes are acceptable & health & safety of public will not be endangered by oper in proposed manner.
* Office of Nuclear Reactor Regulation, Director. 78/12/08. 4pp. 94269:028.

7812210053 Notice of Issuance of Amend#21 to Provisional Oper Lic#DPR-1B.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/08. 8pp. 94269:032.

2260010 Notice of 780110 meeting to discuss 10CFR50 Tech Spec requirements for subj facil.
HEA, J. J. Operating Reactors Branch 2 (Pre 790625). 78/12/13. 3pp. 94020:303.

Full-Term Oper Lic. & Rev#4 to Suppl IV to Applicant's Tech Suppl Accompanying Appl for a Full-Term Oper Lic.
FARON, R. S. LeBoeuf, Lamb, Leiby & MacRae 78/12/21. 63pp. 94344:144.

--7812220118 Amend B to appl to convert Provisional License DPR-1B to full term license. Amend transmits Rev#4 to Suppl IV to applicant's tech suppl accompanying appl for full term oper lic. Cert of Svc encl.
WHITE, L. D. Rochester Gas & Electric Corp. 78/12/06. 2pp. 94344:062.

7812290090 Ack receipt of 781115 ltr from NRC providing ROE w/rev Standard Tech Specs re radiological effluents due to delay in receipt of ltr & to provide time for reviews. ROE plans to submit proposed Tech Specs by 780215 (sic).
WHITE, L. D. Rochester Gas & Electric Corp. 78/12/21. 1p. 94190:111.

0 Inspection reports, IE Bulletins & correspondence

7810180177 Forwards IE Inspec Rept#50-244/78-18 on 780814 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/05. 8pp. 94317:129.

--7810180179 IE Inspec Rept#50-244/78-18 on 780814-18 during which no items of noncompliance were noted. Major areas inspected included: plant ops, status of previous inspec findings, chem & val control sys, followup actions.
* Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/05. 15pp. 94317:131.

7811060174 Forwards IE Circular#78-17. (See AND: 7810230221, Docket #50-133, 781013.)
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/10/13. 1p. 94489:108.

7812010147 Forwards IE Inspec Rept#50-244/78-19 on 780919-21 during which no items of noncompliance were noted.
SMITH, O. H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/10/18. 2pp. 94418:089.

--7812010150 IE Inspec Rept#50-244/78-19 on 780919-21 during which no items of noncompliance were noted. Major areas inspected incl: prog for quality control of analytical measurements, audit results & effluent control procedures.
KOTTAN, J. J., BTOHR, J. P. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/10/18. 9pp. 94418:091.

7811010036 Responds to 780523 & 780728 ltrs protesting proposed civil penalties stemming from Inspec#50-244/78-03. Item 9 of inspec rept is recategorized as a deficiency, reducing penalty from \$31,000 to \$24,000.
DAVIS, J. Q. Office of Inspection & Enforcement, Office of the Director. 78/10/24. 3pp. 94302:245.

--7811010041 Orders licensees to pay civil penalties of \$24,000 within 30 days because of noncompliance in Notice of Violation resulting from inspec on 780120-780203 & 780213-17. W/enc1 Appendices: correspondence re mitigation of penalty.
DAVIS, J. Q. Office of Inspection & Enforcement, Office of the Director. 78/10/20. 4pp. 94302:245.

7812060298 Forwards IE Inspec Rept#50-244/78-20 on 780927-28 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/27. 8pp. 94382:231.

--7812060304 IE Inspec Rept#50-244/78-20 on 780927-28 during which no items of noncompliance were noted. Major areas inspected incl: elec splice insulation & SIB reset feature.
RAYMOND, W. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/27. 8pp. 94382:233.

7811290154 Forwards IE Circular #78-18, "UL Fire Test." W/enc1 AND: 7811180002.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/06. 1p. 94239:357.

7812180032 Forwards IE Bulletin#78-12A, Suppl to IE Bulletin 78-12. W/enc1 AND: 7811300055.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/24. 1p. 94133:009.

7812130318 Ack receipt of 781110 ltr & check in the amt of \$24,000 remitted in full payment of Order Imposing Civil Monetary Penalties dtd 781020.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/12/06. 1p. 94306:338.

A. Periodic operating reports & related correspondence

7810170213 Forwards Monthly Oper Rept for Sept 1978
BNJWB Rochester Gas & Electric Corp 78/10/06 1p 94236:143

--7810170215 Monthly Oper Rept for Sept 1978.
MCNAHARA, A. E. Rochester Gas & Electric Corp. 78/10/05. 5pp.
94236:146

DOCKET 50-245 MILLSTONE NUCLEAR POWER STATION, UNIT 1

B. Utility Preliminary Safety Analysis Report, amends

7811240189 Emergency Plan Unit 1 Final Safety Analysis Rept Append G, Amend 37 & Emergency Plan Unit 2 Final Safety Analysis Rept Append 12A, Amend 45, covering organizational control of emergencies, coordination w/off-site groups & protec actions.
* Northeast Utilities. 78/11/17. 100pp.

F. Security, medical, emergency & fire protection plans

7811290148 Finds changes to Site Security Plan submitted 781004 do not decrease the effectiveness of the Plan & are acceptable
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/15.
2pp. 94239:333

G. Adjudicatory correspondence

7811020325 Forwards recent memoranda re certain problems experienced in connection w/pipe support base plate design. Staff is determining if these problems have generic implications for oper facilis & will keep Lic Bd informed of any new info.
ORAV, J. R. Office of the Executive Legal Director 78/10/19. 1p.
94240:221

--7811020332 Forwards 780528 memo to R Mattson, re info on failures of safety-related pipe supports at Millstone 1 & design deficiencies on similar equip on Shoreham 1. Memo gives Bd notification of pipe support base plate design.
STELLQ, V. Division of Operating Reactors 78/09/28. 2pp.
94240:222.

--7811020343 Addresses pipe support base plate problem. Discusses review of support redesigns & capability of the anchor bolts to withstand cyclic loadings.
MCNANAN, V. S. Engineering Branch (Pre 791030). 78/06/02. 2pp.
94240:228

H. General correspondence

7810310037 Informs that for SEP normal channel of oral communication will be followed, but to expedite reviews direct oral communication between subj facil staff & members of SEP branch is encouraged.
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/10.
2pp. 94094:360.

K. Utility Final Safety Analysis Report (FSAR) & amends

7811240187 Forwards Append Q of Millstone Unit 1 Final Safety Analysis Rept & Append 12A of Millstone Unit 2 Final Safety Analysis Rept covering site emergency plan. These have been designated Amendment Nos 37 and 45 respectively.
COUNCIL, W. Q. Northeast Utilities. 78/11/17. 2pp.

P. Operating license stage documents & correspondence

7812050004 Forwards Licensee Performance Eval Questions for subj facilis in response to 771123 request. Feels it is possible that dev of statistical methodology for such eval may not justify the effort. Qualitative eval may be as good. Urges 1-year test.
ORTER, B. H. Region 1, Philadelphia, Office of the Director. 77/12/13. 12pp. 94200:114.

7811130088 Forwards initial eval of B complete SEP topics & response to request for clarification of SEP documentation procedures made at 780531 meeting. Requests response re facts used to define plants by NRC staff. (See AND7811130037.)
EISENHUT, D. Q. Assistant Director for Systems Engineering (Pre 791030). 78/08/17. 2pp 94076:354.

7810110070 Forwards Amend#53 to Facil Oper Lic#DPR-21 revising Tech Specs as requested in 780303 ltr w/Safety Evaluation & Notice of Issuance.
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/09/26.
3pp. 94061:045.

--7810110073 Amend #53 to Facil Oper Lic#DPR-21 revising Tech Specs re to require 3 operable fire pumps & add 1 spray &/or sprinkler sys & fire hose stations to be operable in the turbine bldg.
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/09/26.
10pp. 94061:050

--7810110074 Safety Evaluation Rept supporting Amend#53 to Facil Oper Lic#DPR-21 concludes that the fire protec plan assures that 14 the public health & safety will be protected
* Office of Nuclear Reactor Regulation, Director. 78/09/26.
33pp 94061:059

--7810110075 Notice of Issuance of Amend#53 to Facil Oper Lic#DPR-21 on 780926
WAMBACH, T. V. Operating Reactors Branch 2 (Pre 790625). 78/09/26.
3pp. 94061:111

--7810110076 Submits evaluation of SER. Recommends change in valve supervision
HALL, R. E. Brookhaven National Laboratory 78/08/23. 2pp
94061:114

7810110140 Forwards rev plant unique assessment of multiple consecutive safety/relief valve actuations, but w/o using staggered & elevated BRV setpoints as originally submitted on 780731.
COUNCIL, W. Q. Northeast Utilities. 78/10/04. 12pp. 94064:262.

7810110174 Responds to requirements re undetected single failure to adversely affect reactor protec sys.
COUNCIL, W. Q. Northeast Utilities 78/10/06. 2pp. 94069:100.

7810130139 Performance evaluation of process radiat monitoring sys re detecting fuel leakage. There have been no abnormal fuel related events resulting in sufficient coolant activity changes. Monitors very sensitive to pur level changes.
COUNCIL, W. Q. Northeast Utilities. 78/10/10. 2pp. 94003:043.

7810170140 Objects to request to follow Unit 2 re 740516 emergency plan as unwarranted & impractical. Matter was discussed w/IE & NRR who agreed that Rev 4 of 770805 will remain in effect at this time Rev 5 should be issued by 781115.
COUNCIL, W. Q. Northeast Utilities. 78/10/10. 2pp. 94235:359.

7810240099 Reiterates that NRC Staff concurrence will be obtained before new high density spent fuel racks are used in either the originally lic configuration or in less than optimum pattern
COUNCIL, W. Q. Northeast Utilities. 78/10/13. 2pp.

7810270203 Forwards proposed rev to Environ Tech Spec & to Safety Tech Spec for subj facil, permitting the STS & ETS to become two independent documents.
COUNCIL, W. Q. Northeast Utilities. 78/10/20. 35pp. 94036:313.

7810310073 Informs of plans to resolve Staff concerns re seismic loads & Multiple Safety/Relief Valve actuations. Util will reinforce outer torus support columns to meet short-term acceptance criteria w/o question by mid-Dec. 1978.
COUNCIL, W. Q. Northeast Utilities. 78/10/23. 1p. 94094:312.

7811010166 Notifies that licensees intend to enter into certain sale & leaseback arrangements in order to finance constr of a refuel outage bldg at Millstone site. Various aspects of financing are described.
GARFIELD, G. Day, Berry & Howard. 78/10/25. 5pp. 94391:239.

7811130335 Summary of 780914 meeting w/OE representatives & Mark 1 Owners Group re progress of Long Term Prog w/attendance list & agenda (RD-9-A-Mark1, Standards.)
GRIMES, C. Plant Systems Branch (Pre 791030). 78/10/26. 67pp.

7811070288 Responds to 780928 FOIA request for documents submitted to EJ Brunner re a baseline eval for RIP. The NRC has located no documents subject to this request.
FELTON, J. M. Division of Rules and Records. 78/10/31. 1p.
94040:339.

--7811070294 FOIA request for repts submitted to EJ Brunner re baseline eval for RIP. w/encl 780630 Brunner memo.
JOHNSON, L. C. Affiliation Unknown. 78/09/28. 1p. 94040:340.

7811130193 Forwards "Boron Carbide" rept prepared by Carborundum Co. describing requal prog tests & results re subj facili.
Answers to NRC queries & other analyses are also encl. as is non-proprietary version of Carborundum rept.
COUNCIL, W. Q. Northeast Utilities. 78/11/03. 14pp.

781140153 Discusses Progress of NUSCO Nuc Records Prog for CN Yankee Atomic Pwr & NE Nuc Energy Co Microfilming may not be completed by 790731, but hard copy will be available. Asks whether projected 790731 date will be satisfactory.
COUNCIL, W. O. Northeast Utilities. 78/11/06 2pp 94383:304

812190288 Responds to 781106 request for info concerning licensee reg performance eval for Region 1 plants by NRC Provides details.
ORIER, B. H. Region 1, Philadelphia. Office of the Director. 78/11/09. 9pp

812180430 Forwards draft Sys Eval Prog Safety inputs re Topic VIII-J A. Station Battery Test Req Requests they be transmitted to licensees.
DAVIS, D. H. Systematic Evaluation Programs Branch (Pre 790625). 78/11/14. 23pp

812150097 Notice of workshops re implementation of training & qual requirements contained in Append B of 10CFR73 Requests pre-workshop registration of attendees to facilitate sending out mail W/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15 5pp. 94212:008.

812180253 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for BWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pwr Plants" (NUREG-0133).
ORIER, B. H. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15 App 94365:290

812210066 Responds to 781116 telecon. Forwards copies of ANS meeting papers which demonstrate attention to ALARA per RQB. B.
O'HARA, J. C. Ebasco Services, Inc (subs. of Enserch Corp.). 78/11/17. 1p

7812210070 "Experience in Decontamination & Repair of Radwaste Concentrator at Millstone Unit#1" Describes procedures.
BUHMA, J. Northeast Nuclear Energy Co. (subs. of Northeast Utilities). 78/11/17. 19pp.

7812210074 "Peach Bottom 2 & 3 Regenerative Heat Exchangers Chem Contamination & Seal Ring Repairs." Describes work performed in 1977 & 1978.
ROCHNER, M. M. Philadelphia Electric Co. 78/06/06. 22pp.

7812210077 "Peach Bottom 2 & 3 Regenerative Heat Exchangers Chem Decontamination & Solidification." Describes work performed in 1977.
CASEY, O. E. Dow Chemical Co. 78/02/16. 38pp.

81270183 Responds to 780817 request for comments on Systematic Eval Prog topic assessments. Info is substantively correct, but it is suggested that these & future assessments be written w/ specific ref to documents used by NRC to form conclusions.
COUNCIL, W. O. Northeast Utilities. 78/11/20 1p. 94272:081.

8070166 Notice of seminar on 781208 on new Model Radiological Effluent Tech Specs for nuc pwr plants. Requests advance submission of seminar specific questions W/encl Seminar Info sheet, Proposed Agenda & maps.
ORIER, B. H. Region 1, Philadelphia. Office of the Director. 78/11/21. 8pp. 03553:128.

2060303 Notification of 781207 meeting w/BEP Owner's Group in Bethesda, MD to discuss plans to address seismic input for se in BEP seismic review.
EVIN, H. A. Systematic Evaluation Programs Branch (Pre 790625). 8/11/24 2pp.

8140318 Amend#20 to Provisional Oper Lic#DPR-18 revising Tech Specs to define existing requirements for surveillance frequency.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/27. pp. 03556:353.

812140339 Notice of Issuance of Amend#20 to Provisional Oper Lic #DPR-18 revising Tech Specs to define existing requirements for surveillance frequency.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/27. 2pp. 03556:387.

8130019 Discusses possible dangers of LOCA in containment purging using normal plant ops. Requests either commitment to limit purging or justification for continuing. W/encl AND.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/29. 1p. 94339:271.

7812110328 Approves proposed schedule for installing feedwater pump trip during refueling outage, currently scheduled for 1979.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/30 2pp 94204:280

7812140024 Forwards Amend#34 to Provisional Oper Lic#DPR-21 for subJ facil as requested in 780320 ltr W/encl Safety Eval & Notice of Issuance.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/01 2pp. 94127:238

--7812140027 Amend#34 to Provisional Oper Lic#DPR-21, rev provision of Append A Tech Specs to allow in-place testing of Standby Gas Treatment Sys at lower flow rates.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/01. 7pp. 94127:240

--7812140030 Safety Evaluation Rpt Supporting Amend#34 to Provisional Oper Lic#DPR-21 concluding that proposed change is acceptable & safety of pub will not be endangered.
* Office of Nuclear Reactor Regulation, Director 78/12/01 2pp 94127:247

--7812140034 Notice of Issuance of Amend#34 to Provisional Oper Lic #DPR-21 to allow in-place testing of Standby Gas Treatment Sys at lower rates.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/01 2pp. 94127:249

7812080121 Forwards list showing clerical logistics & reasons for each change to Safety Tech Specs for subJ facil List inadvertently omitted from util 781020 ltr.
COUNCIL, W. O. Northeast Utilities. 78/12/04 9pp. 94106:326

7812130322 Forwards Tech Spec pages 3/4 2-6 & 2-7 omitted from Amend 34 due to clerical error.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/04. 4pp. 94307:058

7812140176 Forwards Oct 1978 Prog Activity Review listing meetings held & providing task-by-task activity summary for the month.
BOBEN, L. J. General Electric Co. 78/12/04. 11pp

7812150072 Forwards Amend#55 to Provisional Oper Lic#DPR-21 & Amend 44 to Facil Oper Lic#DPR-65 & Notice of Issuance.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/04. 3pp. 94210:292

--7812150077 Amend#55 to Provisional Oper Lic#DPR-21. Changes Tech Specs re radioactive liquid sampling & analysis.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/04. 2pp. 94210:295.

--7812150082 Amend#44 to Facil Oper Lic#DPR-65 Changes Tech Specs re radioactive liquid sampling & analysis.
REID, R. H. Operating Reactors Branch 2 (Pre 790625). 78/12/04. 3pp. 94210:297.

--7812150086 Notice of Issuance of Amend#55 to Provisional Oper Lic #DPR-21 & Amend#44 to Facil Oper Lic#DPR-65.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/04. 2pp

7812190176 Responds to 780203 & 781020 ltrs. Concludes that since implementation of Append I Tech Specs will cover items proposed by requests, plan to defer action on these requests so they are reviewed concurrent w/Append I implementation.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/05. 2pp. 94340:055.

7812260012 Intends to apply quality assurance requirements 10CFR50 Append B & 10CFR71 to delivery of mats to a carrier for transport, or transport of such mats outside confines of site in Comm approved package design.
COUNCIL, W. O. Northeast Nuclear Energy Co. (subs of Northeast Utilities). 78/12/05. 1p. 94020:307

7812280136 Emphasizes importance of submitting accurate & complete info to NRC by licensee & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. O. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94311:312.

7812150105 Requests add info from BEP licensees re elec penetrations of reactor containments in order to complete eval.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/08. 4pp. 94212:085.

7812180143 Informs that reinforcement of all outer torus columns is complete. Short Term Program strength ratio is now 0.333.
COUNCIL, W. G. Northeast Nuclear Energy Co. (subs. of Northeast Utilities). 78/12/08. 1p. 94365:278.

7812210031 Forwards NUREG-085, Vol 1, No 2 "Status Summary Rept-Bys Eval Prog." w/o encl.
ZIEGMANN, D. L. Operating Reactors Branch 2 (Pre 790623). 78/12/08. 2pp. 94249:355.

7812260285 Forwards Amend#56 to Provisional Oper Lic DPR-21 & Amend#45 to Facil Oper Lic DPR-65 revising Tech Specs as requested in 14 ltrs between 770221 & 780321 w/Safety Eval & Notice of Issuance.
REID, R. W. Operating Reactors Branch 4 (Pre 790623). 78/12/04. 4pp. 94155:280.

--7812260289 Amend#56 to Provisional Oper Lic DPR-21 revising Tech Specs re admin controls to reflect organizational struc & greater flexibility of entry into high radiat areas.
ZIEGMANN, D. L. Operating Reactors Branch 2 (Pre 790623). 78/12/08. 20pp. 94155:284.

--7812260295 Amend#45 to Facil Oper Lic DPR-65 revising Tech Specs re refueling water storage tank sump recirculation actuation, seepoint, engr safety features, response times, incurs detector operability, meteorological monitoring instru & admin.
REID, R. W. Operating Reactors Branch 4 (Pre 790623). 78/12/08. 62pp. 94160:030.

--7812260301 Safety Eval Rept Supporting Amend#56 to Provisional Oper Lic DPR-21 & Amend#45 to Facil Oper Lic DPR-65 concluding that proposed changes are acceptable & safety of public will not be endangered by oper in proposed manner.
* Office of Nuclear Reactor Regulation, Director. 78/12/08. 15pp.

--7812260306 Notice of Issuance of Amend#56 to Provisional Oper Lic DPR-21 & Amend#45 to Facil Oper Lic DPR-65.
REID, R. W. Operating Reactors Branch 4 (Pre 790623). 78/12/08. 3pp. 94156:020.

7812190083 Internal "plant design change procedure" for the purpose of venting high density spent fuel racks has been processed & approved. Change does not constitute an unreviewed safety question.
COUNCIL, W. G. Northeast Utilities. 78/12/12. 2pp. 94343:018.

7812050013 Requests views of Regional Directors on Licensees performance eval of subj facili. Forwards questions to be answered by 771209.
YHORN, B. R. Division of Reactor Construction Inspection. 77/11/23. 2pp.

7812270462 Notice of 790111 meeting to discuss Feedwater Sparger Prog incl review of Feedwater Nozzle Cladding, Sparger Design & Plans for Replacement.
SHEA, J. J. Operating Reactors Branch 2 (Pre 790623). 78/12/13. 1p. 94015:309.

781210367 Forwards addl info re multiple consecutive safety/relief valve actuation of Mark I containment program.
BOBON, L. J. General Electric Co. 78/11/13. 3pp. 94485:126.

Q. Inspection reports, IE Bulletins & correspondence

7811060205 Forwards IE Circular #78-17. (See AND: 7810230221, Docket #50-133, 781013.)
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/10/13. 1p. 94489:210.

7812010272 Forwards IE Inspec Repts #50-245/78-32 & 50-336/78-28 on 780814-15 during which no items of noncompliance were noted.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/10/20. 2pp. 94417:212.

--7812010274 IE Inspec Repts #50-245/78-32 & #50-336/78-28 on 780814-15 during which no items of noncompliance were noted. Major areas inspected incl: security plan, security organization access controls, response procedure to 780811 truck fire.
SMITH, R. H. Region 1, Philadelphia, Safeguards Branch. 78/10/20. 3pp. 94417:214.

7812110314 Forwards IE Insp Rept 50-245/78-29 & 50-336/78-24 on 780723-28 & 780814-18 No noncompliance noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/23. 3pp. 94204:117.

--7812110316 IE Insp Repts 50-245/78-29 & 50-336/78-24 on 780723-28 & 780814-18 No noncompliance noted. Major areas inspected: Unit 2 turbine bldg, auxiliary bldg, control room, portions of enclosure bldg & fire protection sys.
SHEDLOCK, V. J. T. Region 1, Philadelphia, Office of the Director.
MCCABE, E. C. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/23. 21pp. 94204:120.

7811020236 Responds to 780308 ltr requesting NRC IE Repts #50-245/77-29 & 50-336/77-28. Portions of Appendix A not subj to 2 790 forwarded to recipient w/out encl.
FELTON, J. M. Division of Rules and Records. 78/10/26. 1p. 94247:071.

7812110303 Forwards IE Insp Rept 50-245/78-34 on 781003-06 & notice of violation.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/27. 3pp. 94204:079.

--7812110305 Notice of violation from insp on 781003-06.
* Region 1, Philadelphia, Office of the Director. 78/10/27. 1p. 94204:082.

--7812110310 IE Insp Rept 50-245/78-34 on 781003-06. Noncompliance noted: failure to perform surveillance procedure per instructions.
BAUNACK, W. H. Region 1, Philadelphia, Office of the Director.
BETTENHAUSEN, L. KISTER, H. B. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/27. 7pp. 94204:083.

781160152 Forwards Inservice Inspec Class II Rept from examinations conducted from Feb-Sept 1978 re discrepancies in isometric drawings, LPCI pipe weld indications, structural defects in Low Pressure Coolant Sys, Core Spray, & Isolation Condenser.
COUNCIL, W. G. Northeast Utilities. 78/11/01. 28pp. 94135:297.

7812010345 Forwards licensee performance evaluation for Region 1. No operating reactor in Region 1 considered to have either abnormal or unusual safety concern.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/01. 4pp. 00002:239.

7812150214 Forwards IE Inspec Rept #50-245/78-33 & #50-336/78-29 on 780906-07 & 780919 during which no items of noncompliance were noted.
MARTIN, W. G. Region 1, Philadelphia, Safeguards Branch. 78/11/01. 2pp. 94212:358.

--7812150240 IE Inspec Repts #50-245/78-33 & #50-336/78-29 on 780906-07 & 780919 during which no items of noncompliance were noted. Major areas inspected incl: special security inspect of Interstate Security Svcs & watchman test of security sys.
JONES, E. O. QALLINA, C. DEVLIN, J. W. Region 1, Philadelphia, Safeguards Branch. 78/10/24. 3pp. 94212:360.

7811290164 Forwards IE Circular #78-18, "UL Fire Test." w/encl AND: 781130002.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/06. 1p. 94238:058.

7812150150 Forwards IE Bulletin #78-12A, suppl to IE Bulletin #78-12. W/encl AND: 7811300055.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/24. 1p. 94212:213.

7812210053 Ack receipt of 78116 ltr informing NRC of steps taken to correct violations noted during inspec #50-245/78-34.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/24. 1p. 94269:034.

--7812210056 Responds to 781027 NRC ltr re violations noted in Inspec Repts #50-245/78-34. Corrective actions: diesel generator data sheet rewritten & clarified; personnel re-instructed on Tech Spec & procedure compliance.
COUNCIL, W. G. Northeast Nuclear Energy Co. (subs. of Northeast Utilities). 78/11/16. 2pp. 94269:035.

R. Periodic operating reports & related correspondence

7810200087 Forwards Monthly Oper Rept for Sept 1978.
OPEKA, J. F. Northeast Utilities. 78/10/13. 1p. 94367:356.

--7810200088 Monthly Oper Rept for Sept 1978.
YOUNG, R. Northeast Utilities. 78/10/13. 6pp. 94367:357.

781170104 Forwards Monthly Oper Rept for Oct 1978.
OPEKA, J. F. Northeast Utilities. 78/11/13. 1p. 02766:267.

--781170115 Monthly Oper Rept for Oct 1978.
YOUNG, R. Northeast Utilities. 78/10/31. 6pp. 02766:268.

78/11/13 1p. 94239:243
PRIER, E.H. Region I, Philadelphia, Office of the Director

--7811290292 Forwards estimates of total errors in total quantities released which were not incl in 780101-780630 Semi-Annual Radioactive Effluent Release Repts.
OPEKA, J.F. Northeast Nuclear Energy Co. (subs of Northeast Utilities) 78/09/15. 2pp. 94239:244

7812290169 Forwards corrected Monthly Oper Rept for Nov 1978.
OPEKA, J.F. Northeast Utilities. 78/12/20 1p 94190:312.

--7812290173 Corrected Monthly Oper Rept for Nov 1978
* Northeast Utilities. 78/12/06. 6pp. 94190:313

3. Reportable occurrences, LERs & related correspondence

7810120089 Forwards LER#78-018/03L-0.
OPEKA, J.F. Northeast Utilities. 78/10/04. 1p. 94473:352.

--7810120096 LER#78-018/03L-0 on 780905: during surveillance on vessel level instru. it was found that 1 of the 4 reactor low-low water level switches was nonfunctional, due to mech hangup caused by dry lubrication.
YOUNG, R.H. Northeast Utilities. 78/10/04 3pp. 94473:353

7810160117 Forwards LER#78-019/03L-0
OPEKA, J.F. Northeast Utilities 78/10/10. 1p. 94007:127.

-7810160123 LER#78-019/03L-0 on 780912: during surveillance, setting of one of the four time delay turbine control fast.
YOUNG, R.H. Northeast Utilities. 78/10/10. 2pp. 94007:128

810200071 Forwards LER#78-021/03L-0.
* Northeast Utilities. 78/10/12 1p.

-7810200072 LER#78-021/03L-0 on 780914: Gas turbine tripped while output voltage was being adjusted. Caused by faulty gas generator speed switch 3A in electronic control.
YOUNG, R.H. Northeast Utilities. 78/10/12. 1p.

810230207 Forwards LER#78-022/03L-0.
OPEKA, J.F. Northeast Utilities. 78/10/13. 1p. 94489:032.

-7810230210 LER#78-022/03L-0 on 780914: drywell vent bypass valve failed to fully close due to particulate contamination in air operator, resulting in insufficient pressure.
YOUNG, R.H. Northeast Utilities. 78/10/13. 2pp. 94489:033.

311140187 Forwards LER#78-023/03L-0.
OPEKA, J.F. Northeast Utilities. 78/11/06. 1p. 94384:275.

-7811140191 LER#78-023/03L-0 on 781011: failure of pressure switch 2206-121C to trip at proper point due to dry lubricant & setpoint drift. Switch was cleaned & readjusted.
YOUNG, R.H. Northeast Utilities. 78/11/06 2pp. 94384:276.

111140167 Forwards LER#78-024/03L-0.
OPEKA, J.F. Northeast Utilities. 78/11/07. 1p. 94383:320.

11160089 Forwards LER#78-024/03L-0.
OPEKA, J.F. Northeast Utilities. 78/11/07. 1p. 94134:348.

7811160093 LER#78-024/03L-0 on 781011: while conducting drywell high pressure functional/calibr surveillance for ECCB, pressure switch was found to be tripping at 2.3 PBL, caused by setpoint drift.
YOUNG, R.H. Northeast Utilities. 78/11/07. 2pp. 94134:350.

11210291 LER#78-025/03L-0 on 781019: Inadvertent initiation of isolation condenser resulted from setpoint drift & intermittent tripping of various logic channel switches. Switches readjusted, tested & returned to svc.
YOUNG, R.H. Northeast Utilities. 78/11/16. 3pp. 94485:198.

12070184 Responds to 780906 ltr re info on Control Rods failing to fully insert after scram. During 1977, eight different control rods did not insert seven rods were overhauled & one continued to function satisfactory.
YOUNG, R.H. Northeast Utilities. 78/11/28. 2pp. 94375:046.

--7812080118 LER#78-026/03L-0 on 781106: Barton 288 pressure indicating switch PS-2206-16210 was found to trip at 2.1 PBL due to setpoint drift. Switch was readjusted, tested & returned to svc.
YOUNG, R.H. Northeast Utilities. 78/11/30 2pp 94106:321.

7812080126 Forwards LER#78-027/03L-0
OPEKA, J.F. Northeast Utilities 78/12/01 1p 94106:343

--7812080129 LER#78-027/03L-0 on 781106: one of four level switches (L18-263-728) was tripping outside Tech Spec band. Caused by instru drift
YOUNG, R.H. Northeast Utilities. 78/12/01 2pp 94106:344.

7812260213 Forwards LER#78-028/03L-0
OPEKA, J.F. Northeast Utilities. 78/12/14 1p. 94160:183.

--7812260219 LER#78-028/03L-0 on 781121: on two occasions defective cans were used to ship radioactive waste to burial site, due to confusion between procedural controls & trial QA prog.
YOUNG, R.H. Northeast Utilities 78/12/05. 3pp 94160:184

7812290205 Forwards LER#78-029/03L-0
OPEKA, J.F. Northeast Utilities. 78/12/22 1p 94190:341

--7812290212 LER#78-029/03L-0 on 781122: while checking Emergency Gas Turbine Generator, burned out indicator bulb was found on lube oil pump circuit breaker. Opening breaker resulted in gas turbine inoper. Bulb & bulb socket replaced & tested.
YOUNG, R.H. Northeast Utilities. 78/12/22 2pp 94190:342.

7811210280 Forwards LER#78-025/03L-0
OPEKA, J.F. Northeast Utilities 78/11/16 1p 94485:197.

U Congressional/Executive Correspondence

7810140036 Response to 780911 ltr for comments re individuals who are concerned over radioactive milk contamination in area near facil. Forwards NRC preliminary evaluation of Sternglass rept on Strontium-90 levels in milk near subj facil.
DIRCKB, W.J. Office of the Executive Director for Operations 78/10/06. 2pp. 94329:073.

--7810140039 Responds to 771115 ltr requesting NRC to evaluate Sternglass rept re strontium-90 & Cesium-137 in milk from farms near subj facil. Concludes no relationship between elevated radioactive milk level & subj facil.
HENDRIE, J.M. Commissioners 78/01/18. 2pp. 94329:075.

--7810140043 Forwards addl NRC comments by M Goldman re allegation re health statistics concerning levels of strontium & Cesium near subj facil. Concludes risks from exposure to low level radiat exposure small.
DENTON, H.R. Office of Nuclear Reactor Regulation, Director. 78/07/27. 1p. 94329:082

--7810140045 Review & comment of rept by Dr Sternglass re radioactive health statistics around nuc facil in CT. Finds no support for contention that CT nuc plants have released sufficient radionuclides to cause significant radiat exposure.
GOLDMAN, M. California, Univ. of Davis. 78/05/31. 4pp. 94329:083

--7810140048 Review of Dr Sternglass rept. Concludes data does not support contention that nuc reactors have contributed to significant increases in Strontium-90 & Cesium-137 in milk. Additionally, rept did not consider effluent monitoring from reactor.
COBLE, D.M. Environmental Protection Agency. 78/08/09. 10pp. 94329:087

7812050043 Responds to 781031 ltr. States that all present info is so limited that no meaningful comparisons can be made of the level of radioactivity in dairies near subj facila & dairies in other regions of the State.
DIRCKB, W.J. Office of the Executive Director for Operations. 78/11/27. 2pp. 94334:119.

--7812050044 Ack receipt of eval of Sternglass rept. Requests any NRC Sternglass data indicating radioactivity concentrations of other areas of the State.
DODD, C.J. House of Rep. 78/10/31. 2pp. 94334:121.

7811200181 Forwards revs to Mod Amend Security Plan of subj facil & requests withholding from public disclosure IAW Section 2.790(d)
CAHILL, W. J. Consolidated Edison Co. of New York 78/11/09. 1p.
94232: 297.

7811070274 Responds to 780918 request for addl info on admin control of fire protec prog. Forwards responses to NRC staff positions re Admin Controls.
CAHILL, W. J. Consolidated Edison Co. of New York. 78/10/31. 23pp.
94040: 300.

781110249 Forwards request for addl info re facil fire protec review. Request response by 781117.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/02.
5pp. 94273: 069.

7811200155 Responds to 781102 NRC request for info re subj facil fire protec prog. Forwards responses & rev to paragraph 8.40 of Apr 1977 Fire Protec Prog Rept.
CAHILL, W. J. Consolidated Edison Co. of New York. 78/11/16. 16pp.

7812190102 Forwards Suppl info re April 1977 Fire Protec Prog Rept Encl 1 mods paragraph 8.31 of Rept. Encl 2 contains sched for mods. Encl 3 & 4 contain addl info re staff positions. Details withheld from pub disclosure pursuant to 2.790
CAHILL, W. J. Consolidated Edison Co. of New York. 78/12/12. 12pp.
94376: 300.

G. Adjudicatory correspondence

7811090188 Forwards recent NRC memos re problems w/ pipe support base plate design. Staff will inform Bd of conclusions after study of addl info from licensee. (See AND: 7811020332, 7811020336, & 7811020343.)
SMITH, T. T. Office of the Executive Legal Director. 78/10/24. 2pp.
94031: 078.

7810260201 Per 10CFR2.772, time for NRC to review decision in ALAB-487 is extended until 781115.
CHILK, S. J. Office of the Secretary of the Commission. 78/10/19.
1p. 94058: 022.

7812260307 Motion of the Utility Water Act Group et al. for Leave to File Brief as Amici Curiae.
SMITH, T. T. Hunton & Williams. 78/11/13. 6pp. 94160: 074.

781290184 Motion by NRC Staff to w/draw its petition seeking review of decision ALAB-399 is granted. All parties now agree that ALAB-452 resolves pre-emption issue raised in ALAB-399; issue is now moot.
CHILK, S. J. Office of the Secretary of the Commission. 78/11/15.
2pp. 94239: 275.

7812010154 Comm will review decision of ABLB in ALAB-487. In particular issues examined will be implication of "Seabrook" decision, CL1-77-B, SNRC503, 508; CL1-78-1.7NRC1, 25-26, & to what extent lic conditions should reflect EPA's authority.
CHILK, S. J. Office of the Secretary of the Commission. 78/11/15.
3pp. 94418: 122.

7812070261 Order extending date to 790112 for NRC to elect whether to review ALAB-487 decision.
CHILK, S. J. Office of the Secretary of the Commission. 78/11/29.
1p. 03355: 010.

7812110224 Forwards NRC's 781115 Memo & Order re subj facil inviting participation in review of ALAB-487. Also advises that time to receive reply briefs is extended to 790112.
TRUBATCH, S. L. Office of the General Counsel. 78/11/29. 1p.
94337: 361.

7812110226 Forwards NRC's 781115 Memo & Order re subj facil inviting participation in review of ALAB-487. Also advises that time to receive reply briefs is extended to 790112.
TRUBATCH, S. L. Office of the General Counsel. 78/11/29. 1p.
94337: 362.

7812110228 Forwards NRC's 781115 Memo & Order re subj facil inviting participation in review of ALAB-487. Also advises that time to receive reply briefs is extended to 790112.
TRUBATCH, S. L. Office of the General Counsel. 78/11/29. 1p.
94338: 029.

--7812270430 Memorandum & Order inviting comments of EPA & PASNY re determination of preferred alternative closed cycle cooling sys. Initial briefs shall be received by 781201; reply briefs by 781215.

CHILK, S. J. Office of the Secretary of the Commission. 78/11/15.
3pp. 94312: 332.

7812210506 Forwards brief by Util Water Act Group, Edison Elec Inst & Natl Rural Elec Coop Assoc re water quality regulation.
SMITH, T. T. Hunton & Williams. 78/12/15. 1p. 94407: 255.

--7812210311 Brief filed on behalf of Util Water Act Group, Edison Elec Inst & Natl Rural Elec Coop Assoc re water quality regulation & jurisdiction under Clean Water Act section 311(c)(2) Cert of Svc encl.
SMITH, T. T. Hunton & Williams. 78/12/15. 7pp. 94407: 256.

7812260002 Response of Hudson River Fishermen's Assoc to NRC memo & order of 781115. Urges that NRC retain present NRC lic conditions req cessation of once-thru cooling at subj facil by 820501.
CHABIS, S. Natural Resources Defense Council. 78/12/15. 19pp.
94021: 279.

7812270060 Brief submitted by CENY in response to 781115 Memo & Order. Asserts that NRC must relinquish its regulation of water quality impacts of subj facil. Supporting documentation encl.
BLOOM, J. D., BACK, E. J. Consolidated Edison Co. of New York. 78/12/15. 33pp. 94374: 260.

7812280262 NRC Staff's Comments in response to 781115 NRC Order announcing Comm intention to review decision ALAB-487. Staff claims that decision in CL1-78-1.7NRC1, does not req NRC to mod lics of subj facil. W/documentation & Cert of Svc.
LEWIS, S. H., MULKEY, M. E. Office of the Executive Legal Director. 78/12/15. 33pp. 94374: 260.

7812270138 Informs that US Court of Appeals for Second Circuit denied petition for rehearing & rehearing en banc re closed-cycle cooling conditions.
FIDELL, E. R. LeBoeuf, Lamb, Leiby & MacRae. 78/12/19. 2pp.
94161: 148.

P. Operating license stage documents & correspondence

7812190016 Forwards Revs 1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
ORRIS, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94214: 286.

7812050004 Forwards Licensee Performance Eval Questions for subj facil in response to 771123 request. Feels it is possible that dev of statistical methodology for such eval may not justify the effort. Qualitative eval may be as good. Urges 1-year test.
ORRIS, B. K. Region 1, Philadelphia, Office of the Director. 77/12/13. 12pp.

7810230057 Notice of issuance of Amend#41 to Facil Oper Lic#DPR-26 which rev provisions in lic to conform to Order of ABLB dtd 780614 re receipt of govt approvals required to proceed w/const of closed cycle cooling sys.
BALLARD, R. L. Environmental Projects Branch 1. 78/07/25. 2pp.
94198: 159.

7810110099 Notifies NRC that util expects to receive results of Westinghouse ECCS cooling performance reanalysis by 781130. CENY will submit its revised analysis by 781231.
CAHILL, W. J. Consolidated Edison Co. of New York. 78/10/03. 1p.
94066: 350.

7810240108 Forwards data specified in Section 401 Certification for Sept. Includes species code list, gross elec output, circulating water temp, river water discharge, chem discharges & daily fish counts.
MONTI, M. A. Consolidated Edison Co. of New York. 78/10/13. 17pp.

7810310240 Response to PASN ltr of 780802; forwards denial of PASN's appl to extend period of interim oper using the installed once-thru cooling sys at subj facil.
DENTON, H. R. Office of Nuclear Reactor Regulation, Director. 78/10/13. 3pp. 94091: 322.

estuary which NRC is conducting or in which it is participating as per ltr request of 780901
LEWIS, B. H. Office of the Executive Legal Director. 78/10/17 3pp.
94034: 004

7810310279 Forwards Amend#41 to Facil Oper Lic#DPR-26, changing Tech Spec
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/17 2pp.

--7810310304 Amend#41 to Facil Oper Lic#DPR-26, changing Tech Spec re radioactive matl surveillance & sealed radioactive sources.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/17 8pp

--7810310305 Safety Eval Supporting Amend#41 to Facil Oper Lic#DPR-26. Concludes that no harm will result.
* Operating Reactors Branch 1 (Pre 790625). 78/10/17 2pp

'811010001 Summary of 781012 meeting w/util re steam generator prog for subj facil.
OLSHAN, L. Operating Reactors Branch 1 (Pre 790625). 78/10/18. 46pp. 94290: 253

811070120 Informs NRC IAW Tech Spec that Strawtown Dairy has ceased oper & therefore milk sample is unobtainable. Samples of leafy green vegetables & milk from Shenandoah Farm will be taken.
CAHILL, W. J. Consolidated Edison Co. of New York. 78/10/30 2pp. 94038: 290

811070157 Forwards Appl for Amend to Oper Lic#DPR-26 Proposed Tech Spec changes would establish LCO's & surveillance requirements for subj facil Overpressure Protec Sys. Cert of Bvc encl.
CAHILL, W. J. Consolidated Edison Co. of New York. 78/11/03 3pp. 94044: 104.

-7811070163 Appl for amend to Oper Lic DPR-26, requesting mod of Tech Spec 3.1.3.3, Table 3-3, Table 4.1-1 & 6.9.2 & addition of new Tech Spec 4.16 to establish limiting conditions of oper. Surveillance requirements for OPS detailed in encl.
CAHILL, W. J. Consolidated Edison Co. of New York. 78/11/03. 22pp. 94044: 107.

311150171 Forwards reissued 781017 Amend, renumbered as Amend#42, to Facil Oper Lic#DPR-26
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/06 2pp. 94242: 329.

-781150175 Amend#42 to Facil Oper Lic#DPR-26, changing Tech Spec re radioactive matl surveillance.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/17. 8pp. 94242: 331.

-781150182 Safety Eval supporting Amend#42 to Facil Oper Lic#DPR-26. Concludes that no harm will ensue.
* Office of Nuclear Reactor Regulation, Director. 78/10/17. 2pp. 94242: 339.

11200047 Status of IE outstanding review request: waiting for addl info re requirements for pressurization of air lock door seals that support a proposed change to subj facil tech specs.
LAINE, B. O. Plant Systems Branch (Pre 791030). 78/11/09. 1p. 94215: 330.

11290288 Responds to 781106 request for info concerning licensee reg performance eval for Region 1 plants by NRC. Provides details.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/09. 9pp.

11170160 Forwards data specified in Section 401 Certification for the month of October, 1978.
MONTI, W. A. Consolidated Edison Co. of New York. 78/11/10. 16pp. 94048: 051.

11210274 Ack receipt of 781013 ltr responding to request for extension of interim oper of subj facil using the installed once-thru cooling sys. Believes hearing would be premature.
EARLY, P. J. Power Authority of the State of New York. 78/11/13. 2pp. 94485: 167.

12150088 Notice of workshops re implementation of training & qual requirements contained in Append B of 10CFR73. Requests re-workshop registration of attendees to facilitate sending out matl. W/encl Registration Form & List of Locations.
HILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 5pp. 94211: 343.

7810310305 Summary of 781012 meeting w/util re steam generator prog for subj facil.
OLSHAN, L. Operating Reactors Branch 1 (Pre 790625). 78/10/18. 46pp. 94290: 253

7812070193 Notice of seminar on 781208 on new Model Radiological Effluent Tech Specs for nuc pur plants Requests advance submission of seminar specific questions. W/encl Seminar Info Sheet, Proposed Agenda & maps.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/21 8pp. 94375: 192

7812150026 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl ANOM
7812080207
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/28 6pp. 94210: 001.

7812150321 Responds to 781121 memo requesting mod to Environ Tech Specs to req continuous monitoring & recording of effluents from detergent Waste Collector tanks. Memo has been forwarded to DBE.
EISENHUT, D. G. Assistant Director for Systems Engineering (Pre 791030). 78/12/04 1p. 94022: 014

7812070180 Forwards application for amend to OLE.
ZARAKAS, P. Consolidated Edison Co. of New York. 78/12/05 1p. 94375: 030.

--7812070182 Application for amend to OLE. Certificate of Bvc encl
CAHILL, W. J. Consolidated Edison Co. of New York. 78/12/05 12pp. 94375: 031.

7812280126 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. O. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94310: 262

7812190075 Forwards info re fracture toughness & potential for lamellar tearing of steam generator & reactor coolant pump support matls. Will forward addl info upon completion of record search. W/encl 4 oversized drawings available in CF.
CAHILL, W. J. Consolidated Edison Co. of New York. 78/12/12. 14pp. 94215: 197.

7812050013 Requests views of Regional Directors on Licensee performance eval of subj facil's Forwards questions to be answered by 771209.
THORNBURG, H. Division of Reactor Construction Inspection. 77/11/23. 2pp.

7812190174 Forwards copies of "Appl for Amend to Oper Lic" which request amends to section 4.1.2a of Environ Tech Spec Requirements for subj facil's. Amends would restructure present Aquatic Environ Monitoring Prog. Cert of Bvc encl.
CAHILL, W. J. Consolidated Edison Co. of New York. 78/12/14. 3pp. 94340: 002.

--7812190180 Appl for amend to Licensee DPR-5, DPR-26 & DPR-64 requesting rev to Environ Tech Specs. Rev Tech Specs & proposed mods are designed to provide a monitoring prog for continuous assessment of Hudson River fish population.
CAHILL, W. J., EARLY, P. J. Consolidated Edison Co. of New York. 78/12/14. 46pp. 94340: 005.

7812260014 Comments of PABN re closed-cycle cooling conditions Asserts that lic condition should either be eliminated or delayed indefinitely. Cert of Bvc encl.
TROSTEN, L. M., FIDELL, E. R., ANCARROW, M. R., LeBoeuf, Lamb, Leiby & MacRae. 78/12/15. 18pp. 94021: 045.

--7812260019 Forwards appl for extension of period of interim oper using installed once-thru cooling sys. pending final determination of permissibility of such systems.
EARLY, P. J. Power Authority of the State of New York. 78/08/02. 2pp. 94021: 063.

--7812260023 Appl for extension of period of interim oper using installed once-thru cooling sys. Appl contains motion for expedited relief. Also encl is Affidavit of PJ Early of PABN in support of extension.
* Power Authority of the State of New York. 78/08/07. 88pp. 94021: 065.

7811090016 Forwards IE Inspec Rept#50-247/78-28 on 780825 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/09/25 2pp. 94040:013.

--7811090017 IE Inspec Rept#50-247/78-28 on 780825 during which no items of noncompliance were noted. Major areas inspected incl: previously identified unresolved items w/ respect to records.
NAPUDA, O., BECKMAN, D., KISTER, H. B. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/09/14. 4pp. 94040:015.

7811060246 Forwards IE Bulletin#78-12: "Atypical Weld Material in Reactor Pressure Vessel Welds" requesting action w/in 60 days, & list of IE Bulletin issued in 1978. (See AND # 7810040253)
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/09/29. 6pp. 94003:308.

7811060201 Forwards IE Circular#78-17. (See AND: 7810230221. Docket #50-133, 781013.)
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/10/13. Ip. 94489:200.

7811300337 Forwards IE Inspec Rept#50-247/78-30 on 780913-14 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/19. 2pp. 94116:188.

--7811300340 IE Inspec Rept#50-247/78-30 on 780913-14 during which no items of noncompliance were noted. Major areas inspected incl: licensee responses to IE Circular 78-08 "Environ Qual" of Safety Related Elec Equip."
REBELDOWSKI, T. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/19. 3pp. 94116:190.

7811040224 Ack receipt of 780818 ltr informing NRC of steps taken to correct violations noted during inspec#50-003/78-06 & #50-247/78-19.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/10/20. 2pp. 94488:141.

--7811060238 Responds to 780712 NRC ltr re Violations noted in Inspec Repts#50-003/78-06 & #50-247/78-19. Corrective actions: Quality Assurance checklists modified, environ audit procedures & related environ procedures revised.
ZARAKAS, P. Consolidated Edison Co. of New York. 78/08/18. 4pp. 94488:143.

--7811060239 Forwards IE Inspec Repts#50-003/78-06 & #50-247/78-16 on 780516-18 & 780522-23 & Notice of Violation.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/07/12. 3pp. 94488:147.

--7811060244 Notice of Violation from inspec on 780516-18 & 780522-23.
BTDHR, J. P. Region 1, Philadelphia, Office of the Director. 78/07/12. 3pp. 94488:150.

--7811060247 IE Inspec Repts#50-003/78-06 & #50-247/78-19 on 780516-18 during which 8 items of noncompliance were noted: failure to monitor cooling water sys temp & approve procedural changes in accord w/ESTR; failure to submit timely measurement repts.
BORGES, R. J. Region 1, Philadelphia, Office of the Director. 78/07/07. 24pp. 94488:153.

7812010345 Forwards licensee performance evaluation for Region 1. No operating reactor in Region 1 considered to have either abnormal or unusual safety concern.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/01. 4pp. 00002:259.

781140252 Ack receipt of 781018 ltr informing NRC of steps taken to correct violations noted during inspec#50-003/78-11 & #50-247/78-29.
SMITH, O. H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/11/03. Ip. 94400:106.

--781140255 Responds to 780926 NRC ltr re violation noted in Inspec Repts#50-003/78-11 & #50-247/78-29. Corrective actions: malfunctioning pen linkage mechanism in recorder of monitor CT-1014 repaired & monitor flushed.
CAHILL, W. J. Consolidated Edison Co. of New York. 78/10/18. 8pp.

--781140262 IE Inspec Repts#50-003/78-11 & #50-247/78-29 on 780905-08 during which 1 item of noncompliance was noted: failure to continuously monitor & record liquid effluent discharges.
THOMAS, L. Region 1, Philadelphia, Office of the Director. 78/09/26. 6pp. 94400:112.

7812180057 Forwards IE Inspec Repts#50-003/78-12 & #50-247/78-33 on 781011-12 during which no items of noncompliance were noted.
SMITH, O. H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/11/03. 2pp. 94133:092.

--7812180058 IE Inspec Repts#50-003/78-12 & #50-247/78-33 on 781011-12 during which no items of noncompliance were noted. Major areas inspected incl: observation of licensee conducted emergency drill & circulating cooling water temp monitor.
BORGES, R. J., BTDHR, J. P. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/11/02. 4pp. 94133:094.

7811290214 Forwards IE Circular #78-18: "UL Fire Test." W/enc1 AND: 781150002.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/06. Ip. 94237:329.

7812150133 Forwards IE Bulletin#78-12A, suppl to IE Bulletin#78-12. W/enc1 AND: 7811300089.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/24. Ip. 94212:174.

R. Periodic operating reports & related correspondence

7812010206 Forwards corrected copy of Chem Discharges sheet in Section 401 Cert Rept for Oct 1978.
MONTI, W. A. Consolidated Edison Co. of New York. 78/11/15. 2pp. 94409:263.

7810200064 Forwards tabulation of daily record of fish collections for Sept 1978 including breakdown & total weight.
CAHILL, W. J. Consolidated Edison Co. of New York. 78/10/13. 5pp. 94412:171.

7810230149 Forwards Monthly Oper Rept for Sept 1978.
CAHILL, W. J. Consolidated Edison Co. of New York. 78/10/16. Ip. 94164:191.

--7810230150 Monthly Oper Rept for Sept 1978.
KAHULA, L. Consolidated Edison Co. of New York. 78/10/16. 8pp. 94164:192.

7811210340 Forwards Monthly Oper Rept for Oct 1978.
CAHILL, W. J. Consolidated Edison Co. of New York. 78/11/15. Ip. 94484:328.

--7811210344 Monthly Oper Rept for Oct 1978.
KAHULA, L., MAKEPEACE, J. Consolidated Edison Co. of New York. 78/11/08. 9pp. 94484:329.

7811220153 Forwards tabulation of daily record of fish collections for Oct 1978 w/daily species breakdown & total weight.
CAHILL, W. J. Consolidated Edison Co. of New York. 78/11/16. 4pp. 94074:277.

7812180152 Forwards data specified in Section 401 Certification for Nov 1978.
MONTI, W. A. Commonwealth Edison Co. 78/12/10. 17pp. 94366:056.

7812270188 Forwards rept of fish impingement & corrective action for Nov 1978.
CAHILL, W. J. Consolidated Edison Co. of New York. 78/12/14. 5pp. 94018:027.

7812210207 Forwards Monthly Oper Rept for Nov 1978.
CAHILL, W. J. Consolidated Edison Co. of New York. 78/12/15. Ip. 94279:103.

--7812210211 Monthly Oper Rept for Nov 1978.
KAHULA, L. Consolidated Edison Co. of New York. 78/12/05. 7pp. 94879:104.

781010067 Forwards LER#78-025/04L-0.
CAHILL, W.J. Consolidated Edison Co. of New York. 78/09/27. 1p.
94033:063.

--781010071 LER#78-025/04L-0 on 780828: w/Units 2 & 3 oper at 100 & 90X
pwr, calculations performed utilizing equation prescribed by
ETBR 2.1.3.1, indicated heat rejection to river was in excess
of BTU/HR maximum permitted by ETBR.
* Consolidated Edison Co. of New York. 78/09/27. 2p. 94033:084.

781010153 Forwards LER #78-028-01T-0.
CAHILL, W.J. Consolidated Edison Co. of New York. 78/10/04. 1p.
94067:172.

--781010155 LER #78-028/01T-0 on 780920: At cold shutdown, leak discovered
in elbow connection between containment isolation valves in
recirculation path from residual heat removal pumps. Affected
section replaced & successfully hydro tested.
MAKEPEACE, J.M. Consolidated Edison Co. of New York. 78/10/04.
2pp.

810160105 Forwards LER#78-014/03X-1, 78-018/03X-1, 78-019/03X-1.
CAHILL, W.J. Consolidated Edison Co. of New York. 78/10/06. 1p.
94001:343.

--7810160110 LER#78-014/03X-1 on 780523: during low pwr physics test of 1
high head SIB pump, leakage was confirmed past the seat of 1
swing check valve downstream of pump #22, caused by faulty
valve disc mounting.
MAKEPEACE, J.M. Consolidated Edison Co. of New York. 78/10/06.
2pp. 94001:344.

--7810160113 LER#78-019/03X-1 on 780629: during normal oper leakage was
found at socket weld connection on seal injection header
downstream of seal injection filters, due to pinhole leak.
MAKEPEACE, J.M. Consolidated Edison Co. of New York. 78/10/06.
2pp. 94001:346.

--7810160165 LER#78-018/03X-1 on 780626: during normal oper, a slight leak
was found at valve 1823D in a level instru line from boron
injection tank, due to crack in bonnet.
MAKEPEACE, J.M. Consolidated Edison Co. of New York. 78/10/06.
2pp. 94001:348.

810160138 Forwards LER#78-027/03L-0.
CAHILL, W.J. Consolidated Edison Co. of New York. 78/10/06. 1p.
94005:304.

--7810160141 LER#78-027/03L-0 on 780908: during normal oper the #21 Boric
Acid Transfer Pump underwent mech seal failure. Following
repairs, pump returned to svc w/in time limit specified in
Tech Spec 3.2.C.2.
MAKEPEACE, J.M. Consolidated Edison Co. of New York. 78/10/06.
1p. 94005:305.

111070221 Forwards LER#78-029/03L-0.
CAHILL, W.J. Consolidated Edison Co. of New York. 78/11/01. 1p.
94039:138.

--781070230 LER#78-029/03L-0 on 781003: in hot shutdown condition, the
amount of water in condensate storage tank was reduced to
below Tech Spec requirement to combat excessive chlorides in
condensate & feedwater sys. Caused by bleed & feed oper.
MAKEPEACE, J.M. Consolidated Edison Co. of New York. 78/11/01.
2pp. 94039:139.

11280260 Forwards LER#78-030/03L-0 & LER#78-031/03L-0.
CAHILL, W.J. Consolidated Edison Co. of New York. 78/11/18. 1p.
94399:200.

7811280263 LER#78-030/03L-0 on 781018: setting of bistable PC-439A found
to be below Tech Spec minimum. Caused by instru drift.
MAKEPEACE, J.M. Northern States Power Co. 78/11/17. 1p.
94399:201.

7811280270 LER#78-031/03L-0 on 781022: during normal oper, one instru
channel of containment pressure safeguards logic became
denergized. Caused by failure of static inverter associated
w/that channel.
MAKEPEACE, J.M. Consolidated Edison Co. of New York. 78/11/17.
1p. 94399:202.

12040229 Confirms 781127 verbal notification of reportable occurrence
ER-78-033/01. During cold shutdown outage, a blockage was
discovered in discharge line from boron injection tank.
DONTI, N.A. Consolidated Edison Co. of New York. 78/11/27. 1p.
94439:323.

7812190121 Forwards LER#78-033/01T-0.
CAHILL, W.J. Consolidated Edison Co. of New York. 78/12/08. 1p.
94340:357.

--7812190131 LER#78-033/01T-0 on 781126: blockage discovered in discharge
line from boron injection tank caused by a defective heat
trace circuit wire. Defective wire replaced & blockage
cleared. Elec heat tracing test PT-07 rev.
MAKEPEACE, J.M. Consolidated Edison Co. of New York. 78/12/08.
1p. 94340:358.

7812200193 Forwards LER#78-032/03L-0.
CAHILL, W.J. Consolidated Edison Co. of New York. 78/12/13. 1p.
94148:356.

--7812200195 LER#78-032/03L-0 on 781116: during normal oper, routine ins
revealed leak from socket weld connection of drain valve
c-15 to seal injection header. When leak was 8.00PM, unit was
shut down for repair. Leak caused by vibration.
* Commonwealth Edison Co. 78/12/13. 1p. 94148:357.

7812200206 Forwards LER#78-034/04L-0.
CAHILL, W.J. Consolidated Edison Co. of New York. 78/12/13. 1p.
94162:278.

--7812200208 LER#78-034/04L-0 on 780905: heat rejection to river in ex
of 16.3x10⁹ BTU/hr. Caused by method prescribed by ETBR for
calculating heat rejected. More accurate method showed heat
rejected to be less than ETBR maximum allowed.
MAKEPEACE, J.M. Consolidated Edison Co. of New York. 78/12/13.
1p. 94162:279.

DOCKET 80-249 DREBDEN NUCLEAR POWER STATION, UNIT 3

F. Security, medical, emergency & fire protection plans

7810120080 Forwards analysis of Elec Cable Penetration Fire Barrier
Test conducted on 780619. Also forwards 3rd party observer
rept of test & 5 detailed drawings associated w/test.
NAUGHTON, W.F. Commonwealth Edison Co. 78/09/27. 44p. 94049:330.

7812070172 Forwards fire protec info incl hydraulic calculations &
Automatic Sprinkler Co Drawing #26-1750, of sprinkler sys for
fire pump in Crib House. Oversize drawings available in
Central Files.
NAUGHTON, W.F. Commonwealth Edison Co. 78/11/30. 6pp. 03553:144.

7812120195 Informs NRC name of fire protec consulting firm hired by
CEIL to fulfill requirements of "Fire Protec Organization of
Nuc Plant Fire Protec Functional Responsibilities Admin
Controls & QA" will be submitted 790201.
NAUGHTON, W.F. Commonwealth Edison Co. 78/11/30. 2pp. 94277:099.

G. Adjudicatory correspondence

7811090259 Bd grants request by Citizens for a Better Environ & Natural
Resources Defense Council for permission to file response to
answers opposing their petitions to intervene by 781103.
MILHOLLIN, O.L. Atomic Safety and Licensing Board Panel. 78/11/01.
1p. 02761:290.

7812110284 Cancels special prehearing conference scheduled for 781211.
Conference shall be held on 790111 in Tax Courtroom of US
Courthouse & Fed Bldg, Chicago, IL. Parties & petitioners must
rept to Board by 781215 re progress of negotiations.
MILHOLLIN, O.L. Atomic Safety and Licensing Board Panel. 78/12/01.
2pp. 94203:243.

7810120112 Applicant's Answer to Petition for Leave to Intervene re
proceeding filed 780908 by Attorney Gen of St of IL. Includes
notice of appearance for M.I. Miller, J.R. Rowe, & P.P. Steptoe.
Includes designation of person upon whom svc shall be made.
STEPTOE, P.P. Isham, Lincoln & Beale. 78/09/18. 10pp. 94484:039.

7810190131 Answer by CEIL to Petition to Intervene filed by Atty Gen
of IL on 780920. Agrees that Atty Gen has standing, but
asserts there are no genuine issues to be heard at hearing.
Requests that Atty Gen request for EIS be denied.
STEPTOE, P.P. Isham, Lincoln & Beale. 78/10/02. 3pp.

7810300063 Natural Resources Defense Council Request for Leave to Fi
a Response. Response is to applicant's contention re
constitutionality of forced disclosure of group's members'
names in order to oper w/in state.
ROISMAN, A.Z. Natural Resources Defense Council. 78/10/10. 4pp.
94037:177.

7010300324 NRC Staff Answers to Council for Citizens for Better Environ & Natural Resources Defense Council's Petition for Leave to Intervene. Staff opposes granting petition. w/Cert of Bvc.
GODDARD, R. J. Office of the Executive Legal Director. 78/10/10. 3pp. 94253:337

7810230124 NRC Staff's Response to Petition of TEX-LA Cooperative, Inc for Leave to Intervene. Staff believes Petition should be granted.
LEBBY, R. P., DLUME, M. B. Office of the Executive Legal Director 78/10/10. 9pp.

7811010063 Petition for leave to intervene & for hearing filed by citizens for Better Environ & Natural Resources Defense Council. Request for leave to file response to answers opposing petition is granted.
MILHOLLIN, G. L. Atomic Safety and Licensing Board Panel. 78/10/13. 1p. 94302:360.

7811150223 "Natural Resources Defense Council Response to Commonwealth Edison's & Staff's Answers to Petition for Leave to Intervene." Intervenor urges Bd to establish a schedule for briefing challenges to contentions.
ROIBMAN, A. Z. Natural Resources Defense Council 78/10/23 16pp. 94270:137

7011130216 NRC request to file response to NRDC response to Comm Ed & NRC answer to petition for leave to intervene dtd 781023 if granted, reply will be served by 781103. Cert of Bvc encl.
GODDARD, R. J. Office of the Executive Legal Director. 78/10/26. 2pp. 03554:050.

7811200070 Request by Comm Ed for leave to file a response to NRDC brief which argues that organizations may show standing to participate in NRC proceedings merely by alleging that they represent anonymous members. Cert of Bvc encl.
STEPTOE, P. P. Isham, Lincoln & Beale. 78/10/30. 2pp. 94218:348.

7811220233 Forwards "Licensing Report, Dresden Nuc Pur Plant, Units 2 & 3, Spent Fuel Rack Modification," dated 780203. W/o encl rept.
GODDARD, R. J. Office of the Executive Legal Director. 78/11/01. 1p. 94289:360.

7811160021 Grants request by licensee CEIL to have until 781107 to respond to 781013 Order of ASLB permitting NRDC & Citizens for a Better Environ to file response to answers opposing their petitions to intervene in proceedings re subj facili.
MILHOLLIN, G. L. Atomic Safety and Licensing Board Panel. 78/11/03. 1p. 94317:090.

7811220010 NRC Staff's Response to NRDC's Response to Answers to latter's Petition for leave to intervene. NRC asserts that NRDC has not demonstrated its standing to intervene as matter of right. Cert of Bvc encl.
GODDARD, R. J. Office of the Executive Legal Director. 78/11/03. 8pp. 94273:334.

7811200003 Special Prehearing Conference in proceedings re subj facili will be held on 781215 in Rock Island, IL. All parties to proc & all petitioners to intervene must attend & should be prepared to discuss all issues.
MILHOLLIN, G. L. Atomic Safety and Licensing Board Panel. 78/11/09. 2pp. 94218:221.

7812130122 Gives notice that A Bielawski enters an appearance on behalf of applicant CEIL in proceedings re subj facili. Cert of Bvc encl.
BIELAWSKI, A. P. Isham, Lincoln & Beale. 78/11/21. 2pp. 94307:188.

7812270230 Proposed stipulation re NRDC & CBE's representation of unnamed members in Dresden-Quad Cities transshipment is not acceptable to NRC. NRC position on NRDC's petition to intervene remains as stated in 781103 pleading.
GODDARD, R. J. Office of the Executive Legal Director. 78/12/06. 1p. 94017:138.

7812280271 Forwards "Stipulation" of NRDC, CBE & Commonwealth Edison Co re identification of members of NRDC & CBE to prove they have interests that may be affected. No agreement w/Reg Staff has been reached.
ROIBMAN, A. Z. Natural Resources Defense Council. 78/12/08. 1p. 94374:334.

--7812280280 Parties agree that NRDC & CBE have adequately identified at least one member whose interest may be adversely affected by the proposed action. Auth to represent these interested members has not been agreed upon.
ROIBMAN, A. Z. Natural Resources Defense Council. STEPTOE, P. P. Commonwealth Edison Co. 78/12/11. 3pp. 94374:335.

7812270132 Special Prehearing Conf Scheduled for 790111 is postponed until 790201. Parties & petitions are excused from requirement to report to Bd by 781215 re negotiations progress.
MILHOLLIN, G. B. Atomic Safety and Licensing Board Panel. 78/12/13. 2pp. 94161:142.

H General correspondence

7812080128 Forwards CEIL request for amend of DL to allow spent fuel transfer & storage between facili. W/o encl.
GODDARD, R. J. Office of the Executive Legal Director. 78/11/17. 1p. 94107:356.

J Insurance & indemnity information

7812190109 Requests refund of \$6 per mut in excess indemnity fee paid for Lic#DPR-2, #DPR-19, #DPR-25, #DPR-29, #DPR-30, #DPR-39, #DPR-48.
POOLE, R. D. Commonwealth Edison Co. 78/12/13. 1p. 94376:323.

P. Operating license stage documents & correspondence

7811170287 Requests addl info for review of proposed subj facili Spent Fuel Pool Mod. Question items include occupational exposure during BFP mod, effect on exposure level of cut up low density racks, BFP cooling sys, vol of contaminated matl.
ZIEMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/08. 7pp. 94045:179.

7812080026 FOIA request for all records incl: quantity of radioactive matl disposed of from former Manhattan proj in IL known as Chicago Piles#1, 2 & 3. Matl disposed of in IL by Lindsay Cos at Morris facili & Dresden facili.
HANSELL, D. Illinois, State of. 78/11/06. 2pp.

7812150228 Classifies lic amend for proposed fuel pool mod as Classes IV & I not Classes III & I. Requires addl charge of \$8300 for each of the two appl. to be paid w/in 15 days.
MILLER, W. O. License Fee Management Branch. 78/12/11. 8pp. 94213:329.

7810290198 Notice of Proposed Issuance of Amends to Oper Lic. NRC is considering issuance of amends to Provisional Oper Lic #DPR-19 & Facili Oper Lic#DPR-25. Would change provision in Tech Specs to allow more spent fuel to be stored at facili.
ZIEMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/08/03. 4pp. 94392:220.

7810170185 Update & conclusion of diesel generator reliability study. Almost all corrective actions taken per investigation have been completed. Results of study summarized in encl.
STEPHENSON, B. B. Commonwealth Edison Co. 78/09/28. 5pp. 94270:047.

7810100027 Forwards evaluation of reactor protect sys pur supplies to determine whether undetected failures adversely affect the RPS sys.
TURBAK, M. B. Commonwealth Edison Co. 78/10/04. 5pp.

7810140112 Reevaluation of Lic amend fees for inter-station spent fuel transfer for subj facili as requested by 780817 ltr shows that the class 1 & 3 fees paid for each station are correct.
MILLER, W. O. License Fee Management Branch. 78/10/10. 1p. 94421:151.

7810270180 Responds to 781002 NRC ltr re requested Tech Spec change for reactor water cleanup sys return valve. Util accepts change as Class 3 & Class 1 amend, & remits appropriate fee.
REED, C. Commonwealth Edison Co. 78/10/23. 1p. 94057:081.

7811020322 Withdraws request to amend Tech Specs re reporting requirements for reactivity anomalies, as Reg Guide "Interpretation" by NRC on 780701 does not require rept for reactivity increase of less than 5 sec.
REED, C. Commonwealth Edison Co. 78/10/26. 2pp. 94255:223.

7811030161 Forwards proposed Amend changing Tech Specs w/regard to updating station organizational charts. Changes have received onsite & offsite approval.
REED, C. Commonwealth Edison Co. 78/10/26. 9pp. 02724:009.

7811130335 Summary of 780914 meeting w/GE representatives & Mark 1 Owners Group re progress of Long Term Prog w/attendance list & agenda (RD-9-A-Mark1 Standards).
GRIMES, C. Plant Systems Branch (Pre 791030). 78/10/26. 67pp.

hydrological features & discussing w/licenses hydrological design bases necessary to perform a detailed SEP review. Addl hydrological info also requested.
STALEY, Q. B. Hydrology Meteorology Branch. 78/10/31. 3pp. 94405:156

81100131 Summary of meeting w/CELL on 781023-24 to discuss questions re seismic design of subj facil & obtain seismic design info. w/encl list of attendees, meeting agenda, charter of BERT, floor response spectra, & design repts & tech paper.
LEVIN, H. A. Systematic Evaluation Programs Branch (Pre 790625). 78/11/02. 410pp. 94259:001.

81140105 Responds to 780316 NRC ltr requesting addl info re reactor vessel metal surveillance specimen fluence valves at time of withdrawal w/projections based on dosimetry results of previously tested capsules & 80% capacity factor w/o encl.
TURBAK, M. S. Commonwealth Edison Co. 78/11/03. 2pp. 94423:125.

81140002 Notifies applicant of 781128 NRC-sponsored seminar re Model Radiological Effluent Tech Specs for Nuc Pur Plants w/encl Seminar Info Sheet (to be completed & returned by 781117) & Proposed Agenda.
KEPPLER, J. G. Region 3, Chicago, Office of the Director. 78/11/07. 6pp. 94426:022.

11210257 Updates 770510 ltr info re control rod drive (CRD) uncoupling prog. Forwards historical data list of all CRD's occurring between 760522 & 771211. Improved Quality Control & filter installation procedures are adequate to prevent uncoupling.
TURBAK, M. S. Commonwealth Edison Co. 78/11/13. 4pp. 94488:335.

11300098 Forwards Amend#39, #37, #48 & #47 for Lics DPR-19, DPR-25, DPR-19 & DPR-30 respectively. Amends revise Tech Specs re operating temp & pressure limits. Also forwards Safety Eval & Fed Register Notice.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/13. 3pp.

7811300067 Amend#37 to the Operating Lic rev Tech Specs re operating temp & pressure limits.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/13. 6pp.

7811300077 Safety Eval Rept in support of Amend#39, #37, #48 & #47 to Oper Lics DPR-19, DPR-25, DPR-29 & DPR-30, respectively.
* Office of Nuclear Reactor Regulation, Director. 78/11/13. 4pp.

7811300083 Notice of Issuance of Amend#39, #37, #48 & #47 to Oper Lics DPR-19, DPR-25, DPR-29 & DPR-30, respectively.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/13. 2pp.

2150071 Notification of workshops in Jan-May 1979 in Regions 1-5 to explain techniques of job analysis & performance testing; how to relate such testing to qualification plan; development & training. Designed for working level personnel.
HILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 8/11/15. 5pp. 94210:215.

2180248 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for WRS (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
RHEB, B. K. Assistant Director for Engineers & Projects (Pre 90425). 78/11/15. 4pp. 94366:125.

2050107 Forwards rev page to Topical Rept CE-1-A, "Qual Assurance Prog. Rev 4." Rev reflects Reg Guide 1.28 & 1.33 rev.
URBAK, M. S. Commonwealth Edison Co. 78/11/17. 2pp. 94335:334.

1280213 Forwards current lic status list for subj facils.
EED, C. Commonwealth Edison Co. 78/11/20. 9pp. 94012:130.

1280246 Forwards "Projected Fluence Values at Withdrawal for the capsules Designated to Meet the Requirements of 10CFR50 Appendix H." Table 1 to be attached to 781103 ltr to Ippolito.
URBAK, M. S. Commonwealth Edison Co. 78/11/20. 2pp. 94012:162.

2140176 Forwards Oct 1978 Prog Activity Review listing meetings held providing task-by-task activity summary for the month.
BON, L. J. General Electric Co. 78/12/04. 11pp.

1280129 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify IC of any inaccuracies or enforcement action will result.
VIB, J. G. Office of Inspection & Enforcement, Office of the reactor. 78/12/06. 2pp. 94311:336.

meantime leak rate test procedure re temp & humidity measurement in subvol bounded by water level. Requests exemption from 10CFR50 in order to eliminate subvol problem.
TURBAK, M. S. Commonwealth Edison Co. 78/12/12. 6pp. 94343:334.

7812050013 Requests views of Regional Directors on Licensee performance eval of subj facils. Forwards questions to be answered by 771209.

THORNBURG, H. Division of Reactor Construction Inspection. 77/11/23. 2pp.

7812190097 Accepts topical rept#CE-1-A Rev#6, "Comm Edison Co Quality Assurance Prog for Nuc Generating Stations." Requests submittal of 36 copies.
HAASS, W. P. Quality Assurance Branch. 78/12/13. 1p. 94376:317.

7811210367 Forwards addl info re multiple consecutive safety/relief valve actuation of Mark 1 containment program.
BOBON, L. J. General Electric Co. 78/11/13. 3pp. 94485:126.

G. Inspection reports, IE Bulletins & correspondence

7810110052 Forwards IE Insp Repts 50-010/78-23, 50-237/78-21 & 50-249/78-23 on 780807-10 & 16-18 & notice of deviation.
DAVIS, A. B. Region 3, Chicago, Office of the Director. 78/09/08. 2pp. 94080:049.

--7810110054 Notice of Deviation from inspect on 780807-10 & 780816-18.
* Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/09/08. 1p. 94063:226.

--7810110062 IE Insp Repts#50-010/78-23, #50-237/78-21 & #50-249/78-23 on 780807-10 & 16-18 during which 1 item of deviation was noted. Failure to meet PSAR commitment for monitoring unit 2/3 liquid rad waste effluents.
GREGOR, L. R., FISHER, W. L. Region 3, Chicago, Office of the Director. 78/09/06. 11pp. 94063:227.

7810100018 Forwards IE Insp Repts#50-10/78-25, #50-237/78-22 & 50-249/78-24 on 780705-06, 11-12, 19-20, 780817, 23-25, 29-31 & 780901, during which no items of noncompliance were noted.
FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/09/20. 2pp. 94290:141.

--7810100022 IE Insp Repts#50-10/78-25, #50-237/78-22 & #50-249/78-24 on 780705-06, 11-12, 19-20, 780817, 23-25, 29-31, 780901, during which no items of noncompliance were noted. Major areas inspect: followup of noncompliances & review of plant ops.
BARKER, J. L. Region 3, Chicago, Office of the Director. KNOP, R. C. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/09/20. 7pp.

781010277 Responds to 780908 NRC ltr re deviation noted in Insp Repts 50-010/78-23, 50-237/78-21, 50-249/78-23. Corrective actions: liquid radwaste discharge monitor will be returned to svc & alarm will be made operable.
REED, C. Commonwealth Edison Co. 78/09/22. 3pp. 94079:148.

7810200203 Ack receipt of 780922 ltr informing NRC of steps taken to correct item of noncompliance identified in ltr of 780908.
DAVIS, A. B. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/10/12. 1p. 94367:089.

7810300030 Forwards IE Circular#78-17. (See AND:7810230221)
KEPPLER, J. G. Region 3, Chicago, Office of the Director. 78/10/13. 1p.

7811300261 Forwards IE Insp Repts#50-010/78-26, 50-237/78-23 & 50-249/78-25 on 780905-08, 12-14, 20-22, & 26-28 & Notice of Violation.
FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/25. 2pp. 94073:233.

--7811300264 Notice of Violation from inspect on 780905-08, 12-14, 20-22 & 26-28.
* Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/25. 1p. 94075:061.

--7811300268 IE Insp Repts#50-010/78-26, 50-237/78-23 & 50-249/78-25 on 780905-08, 12-14, 20-22 & 26-28 during which 1 item of noncompliance was noted: failure to rept a 30 day reportable event in 30 days.
BARKER, J. L., CHRISTOPHOS, N., HUQHEB, J. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/25. 13pp. 94075:237.

7812050011 Forwards IE Inspec Repts #50-010/78-29, 50-237, -293, -293/78-29, 50-249/78-27 & 50-265/78-26 on 781002 during which no items of noncompliance were noted.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/10/30. 2pp. 94200:183.

--7812050027 IE Inspec Repts for subj facili on 781002 during which no items of noncompliance were noted. Major areas inspected incl: discussion of actions being taken by util to improve its reg performance & tour of Zion station
KNOP, R. C., FIDRELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/10/30. 3pp. 94200:183.

781150063 Forwards IE Circular 78-18, "Underwriters Lab Fire Test"
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/11/06. 1p. 94112:240.

7811280486 Unresolved items noted in IE Inspec Repts #50-010/77-28, #50-237/77-25 & #50-249/77-25 have been reviewed & recommendations made. Documentation of unresolved items withheld per 10CFR2.790(d).
HIND, J. A. Region 3, Chicago, Safeguards Branch. 78/11/16. 1p. 94381:358.

7812050287 Forwards IE Bulletin 78-12A, "Atypical Weld Matl in Reactor Pressure Vessel Welds."
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/11/24. 1p. 94202:332.

7812140081 Forwards IE Inspec Repts #50-010/78-28, #50-237/78-24 & #50-249/78-26 on 781010-13, 781016-19 & Notice of Violation.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/12/01. 2pp. 94128:227.

--7812140086 IE Inspec Repts 50-010/78-28, 50-237/78-24 & 50-249/78-26 on 781010-13 & 781016-19 Noncompliance noted: defective security organization observed, including access controls & physical barriers. Info partially withheld (ref FOIA Exemption 3).
BLANDER, J. L., HOWELL, J. C., HIND, J. A. Region 3, Chicago, Safeguards Branch. 78/11/20. 2pp. 94128:229.

7812130330 Notification of site visit on 781206-07 to discuss operational considerations re insvc inspec prog.
ZIEHANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/05. 1p. 94307:352.

7812290026 Forwards IE Bulletin 78-14, "Deterioration of Buna-N Components in ABCD Solenoids."
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/12/19. 1p. 94208:009.

R. Periodic operating reports & related correspondence

7811140119 Forwards monthly operating rept for Oct 1978.
STEPHENSON, B. B. Commonwealth Edison Co. 78/11/08. 1p. 94425:184.

S. Reportable occurrences, LERs & related correspondence

7810170195 Forwards LER#78-038/03L-0.
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/06. 1p. 94234:342.

--7810170203 LER#78-038/03L-0 on 780916: inspec revealed that one hydraulic of 4 snubbers on valve had less than required amount of fluid. Subsequent test proved snubber inoperative. Caused by fluid leak resulting from loose hydraulic lines.
HARRIS, B. W. Commonwealth Edison Co. 78/10/06. 1p. 94234:343.

7810240100 Forwards LER#78-036/03L-0.
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/12. 1p.

--7810240102 LER#78-036/03L-0 on 780917: While performing routine surveillance D18 1300-2, DP18-1349 tripped at 38.5 water DP. Caused by instr drift. Isolation switch will continue to be tested monthly per D18 1300-2.
LINDBERG, C. Commonwealth Edison Co. 78/10/12. 1p.

7810240116 Forwards LER#78-040/03L-0.
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/12. 1p.

STEPHENSON, B. B. Commonwealth Edison Co. 78/10/17. 1p.

--7810240141 LER#78-037/03L-0 on 780918: Leaks discerned in feed pump minimum flow lines caused by cracks & holes in piping due to excessive flow velocity
JANSEN, T. Commonwealth Edison Co. 78/10/17. 2pp.

7810270229 Forwards LER#78-039/03L-0.
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/17. 2pp. 94053:247.

--7810270231 LER#78-039/03L-0 on 780922: containment cooling Water Svc LPCI heat exchanger valve MD-3-1501-3A failed to oper in automatic mode while attempting to start torus cooling, caused by motor oper valves "chattering"
ACHTERBERG, J. Commonwealth Edison Co. 78/10/17. 1p. 94053:248.

7810270302 Forwards LER#77-038/01X-1.
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/17. 1p. 06403:358.

--7810270305 LER#77-038/01X-1 on 770914: D/G cooling water pump failure, due to excessive bearing wear, allowed rotor to contact canned motor windings & caused cooling water to short out pump.
CIESKIEWICZ, S. Commonwealth Edison Co. 78/10/17. 2pp. 06403:359.

781090125 Forwards LER#78-041/03L-0.
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/19. 1p. 94042:301.

--781090126 LER#78-041/03L-0 on 780924: Following unit startup while inerting containment the N2 level in storage tank dropped to less than 60 inches. Level in tank was below 60 inches for about 3 hours due to late N2 delivery.
RALPH, R. Commonwealth Edison Co. 78/10/19. 1p. 94042:302.

7811030184 Forwards LER#78-043/03L-0.
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/27. 1p. 02724:100.

--7811030191 LER#78-043/03L-0 on 780929: contractor cut hole in HPCI steam line w/ cutting torch while removing sleeve matl from line restraint resulting in minor radioactive steam release to reactor bldg. Contractor admonished: hole welded over.
JANSEN, T. Commonwealth Edison Co. 78/10/27. 1p. 02724:101.

7811060159 Forwards LER#78-044/03L-0.
STEPHENSON, B. B. Commonwealth Edison Co. 78/10/30. 1p. 94489:078.

--7811060162 LER 78-044/03L-0 on 780930: indicated level increased on w/ Range Monitor LI 1602-B while pumping down torus during normal oper. Caused by erratic movement of cam resulting from binding of mechanical linkage connecting tube drive to cam.
LINDBERG, C. Commonwealth Edison Co. 78/10/30. 2pp. 94489:079.

7811140222 Forwards LER#78-048/03L-0.
STEPHENSON, B. B. Commonwealth Edison Co. 78/11/01. 1p. 94400:054.

--7811140227 LER 78-048/03L-0 on 781012: D18 1600-3, diff press sw isolation valve for DP18 3-1622A, was found closed, apparently since completion of previous quarterly survey on 780711. Cause unknown.
LINDBERG, C. Commonwealth Edison Co. 78/11/01. 2pp. 94400:055.

7811210333 Forwards LER#78-049/03L-0.
STEPHENSON, B. B. Commonwealth Edison Co. 78/11/01. 1p. 94484:322.

--7811210339 LER#78-049/03L on 781014: while performing Turbine Stop Val Closure Scram Circuit Sensor Tests (D08 500-10), #2 turbine stop valve 10% closure switch did not actuate until valve was 20% closed. Valve was out of adjustment.
KORCHYNKY, M. Commonwealth Edison Co. 78/10/14. 1p. 94484:323.

7811280301 Forwards LER#78-050/03L-0.
STEPHENSON, B. B. Commonwealth Edison Co. 78/11/13. 1p. 94395:297.

--7811280309 LER#78-050/03L-0 on 781021: during monthly survey D18 250-1 Main 8in Line H1 Flow Isol Sw, DP18 3-261-2C tripped at 120 PBID. Caused by friction in switch mechanism. Bellows assembly will be replaced.
LINDBERG, C. Commonwealth Edison Co. 78/11/13. 1p. 94395:298.

EPHENSON, B. B. Commonwealth Edison Co. 78/11/30 1p 94276 158

12120134 LER 78-052/03L-0 on 781104 during leak check of moisture separator area. steam was found blowing from bottom of an elbow downstream of orifice RG 3-3041-05. Caused by erosion from high velocity steam/water mixture on elbow. ERALPH, R. Commonwealth Edison Co. 78/11/30 1p. 94276 159

12120242 Forwards LER#78-053/03L-0
EPHENSON, B. B. Commonwealth Edison Co. 78/11/30 1p. 94279 192

12120245 LER#78-053/03L-0 on 781104 during DCP 2700-11 (Offgas Radiat Monitor Calibr). 3"A" monitor failed downscale. As req. inoperable monitor was then tripped in upscale position. Cause was failed amplifier in 3"A" Offgas Log Rad Monitor. LINDBERG, C. Commonwealth Edison Co. 78/11/30 1p 94279 193

12120244 Forwards LER#78-054/031-0.
EPHENSON, B. B. Commonwealth Edison Co. 78/11/30 1p. 94279 197.

12120252 LER#78-054/031-0 on 781104 during normal surveillance, while testing MSIV closure time. MSIV 3-203-2A closed 2.8 seconds after initiation signal. Caused by MSIV 3-203-2A valve timing which was out of adjustment. ERALPH, R. Commonwealth Edison Co. 78/11/30 1p 94279 198

12120175 Forwards LER#78-055/03L-0.
EPHENSON, B. B. Commonwealth Edison Co. 78/12/07 1p. 94359 355

12120178 LER#78-055/03L-0 on 781116: small leak noted on recently installed drain attached to 302 Feedwater heater drain line. Caused by lack of fusion & slag inclusion on socket welded drain line. Repaired by grinding defect & rewelding. JANSEN, T. Commonwealth Edison Co. 78/12/07 1p. 94359:356

12120145 Forwards LER#78-056/03L-0
EPHENSON, B. B. Commonwealth Edison Co. 78/12/08 1p. 94365:261

12120148 LER#78-056/03L-0 on 781122 during routine inspec of containment spray interlocks, noted that face plate on Yarrow model 4418C was broken, holding pointer set in fixed position above trip setpoint. Cause unknown. LINDBERG, C. Commonwealth Edison Co. 78/12/08 1p 94365 262.

12120284 Forwards LER#78-057/03L-0.
EPHENSON, B. B. Commonwealth Edison Co. 78/12/14 1p. 94229 316

1212270289 LER#78-057/03L-0 on 781130: during test on U3 D/O, the "D/O 3 Day Tank Level Hi/Low" alarm sounded. Caused by the solenoid valve which was stuck closed. CHAN, J. Commonwealth Edison Co. 78/12/14 1p 94229 317

LET 50-250 TURKEY POINT PLANT, UNIT 3

security, medical, emergency & fire protection plans

12120075 Forwards copies of Rev 4 to subj facil Emergency Plan.
RIG, R. E. Florida Power & Light Co. 78/09/27 2pp. 94402 221

12120081 Rev 4 to State of FL Radiological Emergency Plan dtd May 1975 Ltr of support w/ERDA dtd 750410. FL Highway Patrol Order 32 dtd 760401 & Coast Guard 760426 ltr encl.
* Florida Power & Light Co. 78/09/27 166pp. 94402:223.

121200325 Ack receipt of 780623 ltr re position that 3-man fire ltr is adequate to cope w/any fire at subj facil. Requests addl info so NRC may evaluate proposal. HENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/16 p 94293:341.

12120121 Forwards Rev 0 to security plan dtd 780526 Withheld of 10CFR2.790).

RIG, R. E. Florida Power & Light Co. 78/10/24 111pp.

--7811280172 Amend#42 to Lic#DPR-31 rev common station Tech Specs to incorp limiting conditions for oper & surveillance requirements for existing fire protec sys
SCHWENGER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/08 2pp 94013 178

--7811280174 Amend#34 to Lic#DPR-41 rev common station Tech Specs to incorp limiting conditions for oper & surveillance requirements for existing fire protec sys
SCHWENGER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/08 20pp. 94013 180

--7811280178 Notice of issuance of amend#34 & 42 to Facil Oper Lic# DPR-31 & DPR-41 Amend rev Tech Specs to incorp limiting conditions for oper & surveillance requirements for existing fire protec sys
SCHWENGER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/08 2pp. 94013 200

7812080148 Licensee has been orally notified that Emergency Plan through Revision 4 dtd 780927 is acceptable, based on 781025 memo W/encl AND 781030177.
SCHWENGER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/28 1p. 94104 349.

781210010 Pending staff approval of Rev 0 requests until commit to prepare special security procedures applicable to the replacement of steam generators
SCHWENGER, A. Operating Reactors Branch 1 (Pre 790625). 78/12/01 2pp. 94339 235

7812120119 Discusses fire protection in operating nuclear power stations, in particular providing analysis of facilities' SER Proposed fire protection mod increases level of protection against fire hazards.
HALL, R. E. Brookhaven National Laboratory. 78/12/06 5pp 94275 340.

--7812120125 Requests addl info re fire protec at subj facil. Info concerns water supply, cable protec, yard hydrants, smoke venting equip & smoke removal. Documentation re info sought encl.
HALL, R. E. Brookhaven National Laboratory 78/09/21 9pp. 94275:343.

7812270190 Responds to 781201 NRC request for special security procedures. Agrees to prepare security procedures IAW Mod Amend Security Plan at least 90 days prior to commencing steam generator repair activity.
UHRIG, R. E. Florida Power & Light Co. 78/12/19 1p. 94018:042

H General correspondence

7812270168 Requests placement on distribution list for correspondence & repts dealing w/oper status for subj facil.
SHREVE, J. Florida, State of 78/12/18 1p. 94018:090

I Financial information

7811070144 Forwards req guarantees under Price-Anderson as amend 1975 under option 5 Encl provides info re 1977 annual rept, consolidated financial statements, cash flow projections, capital expenditure curtailments & cash flow sources
UHRIG, R. E. Florida Power & Light Co. 78/10/30 45pp. 94044:022.

J. Insurance & indemnity information

7810230140 Forwards Endorsement#37 to Nuc Energy Liability Insurance #MF-55 Also States that Endorsement#36 to Nuc Energy Liability Insurance#NF-185 was forwarded w/780618 FPL ltr (L-76-228)
UHRIG, R. E. Florida Power & Light Co. 78/10/09 2pp. 94164:203

7810300107 Forwards Endorsement#36 to Policy#NF-185 & Endorsement#37 to policy#MF-55.
UHRIG, R. E. Florida Power & Light Co. 78/10/09 1p. 94035:236

M. Antitrust Correspondence

7811080144 "Notice of Appearance" re proceedings. Cert of Svc encl
EVANS, D. J. Office of the Executive Legal Director. 78/10/30. 3pp.
94399:291.

7812270071 Provides notice that RC McDiarmid & DA Giacalone w/draw as
representatives of FL Cities in proc re subj facility
JABLON, R. A. Spiegel & McDiarmid. 78/12/13 4pp. 94161:011

P. Operating license stage documents & correspondence

7812010382 Response to 780613 ltr re comments & corrective actions in
780404 NRC ltr re Diesel Generator Lockout. Util's response
is adequate.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/06/30.
1p.

7810230175 Notice of Proposed Issuance of Amends to Facil Oper Lic. NRC
is considering issuance of amends to Facil Oper Lic. DPR-31
& DPR-41. Amends rev Tech Specs re transient & accident
analysis.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/08/04.
4pp. 94393:062.

7810200075 "Containment Structure Post-Tensioning Sys. Fifth-Year
Surveillance Rept."
BHAHL, M. R. Bechtel Power Corp. (subs. of Bechtel Corp.). 78/09/13.
100pp. 94029:087.

7811210191 Notice of Issuance of Amends 38 & 31 to Facil Oper Lic#DPR-
31 & #DPR-41. Amends change Tech Specs re refueling of Unit 4
Cycle 5 oper.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/09/22.
3pp. 94488:003.

7810120022 Forwards test rpt for 770701-780630 per 10CFR50.59b.
UHRIG, R. E. Florida Power & Light Co. 78/10/04 1p. 94330:174.

--7810120023 Test rpt details plant change/mods, procedure changes, tests
& expert Major areas: east-crane-add-limit switches, diesel
emergency diesel surge tank, NDDOT overpressure relief
protection, reactor coolant pump seal mod, Plamastic addition.
* Florida Power & Light Co. 78/10/04. 63pp. 94330:175.

7810110159 Responds to 780802 NRC ltr re meteorological data. Forwards
info tables re wind frequency.
UHRIG, R. E. Florida Power & Light Co. 78/10/03. 9pp. 94069:226.

7810120028 Forwards check for \$4000 re lic amend request of 780926.
UHRIG, R. E. Florida Power & Light Co. 78/10/06. 2pp. 94470:354.

7810170191 Forwards Fifth year Surveillance Rept re containment
struc post-tensioning sys. Minor error in Third Year
Surveillance Rept. submitted by ltr of 780823. L-75-404. is
corrected.
UHRIG, R. E. Florida Power & Light Co. 78/10/10. 2:3pp. 94235:197.

7810200045 Forwards "Containment Structure Post-Tensioning Sys. Fifth-
Year Surveillance Rept."
UHRIG, R. E. Florida Power & Light Co. 78/10/16. 1p. 94029:086.

--7810170194 Fifth Year Surveillance Rept of containment struc
post-tensioning sys. Concludes that sys is performing w/in
limits set by design criteria & specs. Includes wire testing
& analysis of sheath filler.
ANDREWS, C. W. Bechtel Power Corp. (subs. of Bechtel Corp.).
78/07/31. 89pp. 94235:200.

7810250232 Summary of Meeting held on 781002 to discuss an extension of
oper interval for 4 addl months in response to submittal of
amend on 780926. Impact-related info presented included: rem
exposure from shutdown & replacement pur costs.
ORDTENN, J. B. M. Operating Reactors Branch 1 (Pre 790625). 78/10/16.
3pp. 94392:343.

7811140030 Forwards Amend 39 to License DPR-31, safety evaluation &
notice of issuance.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/16.
2pp. 94420:292.

--7811140033 Amend#39 to Facil Oper Lic#DPR-31 rev lic to reg gaging
inspec of steam generator in case of 0.3ppm or greater leak
or shutdown to repair leak due to denting & inspec of all
3 generators in event of 2nd leak w/in 20 days.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/16.
3pp. 94420:294.

--7811140036 Safety Eval Rept Supporting Amend 39 to License DPR-31.
* Operating Reactors Branch 1 (Pre 790625). 78/10/16. 5pp.
94420:297.

--7811140039 Notice of Issuance of Amend#39 to Facil Oper Lic #DPR-31
781016
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/16.
2pp. 94420:302.

7810270182 Ack receipt of 780719 ltr requesting proposed Tech Specs be
submitted addressing overpressure protec. Will submit info by
781115.
UHRIG, R. E. Florida Power & Light Co. 78/10/19. 1p. 94057:083.

7810300003 Requests addl \$400 fee to process 780809 appl for amend to
Facil Lic #DPR-31 & DPR-41.
MILLER, W. D. License Fee Management Branch. 78/10/19. 1p.
94034:224

781030177 Act review of Rev 1.2,3,4. Rev 1 & 2 found acceptable. Rev 3
& 4 update arrangements w/ various radiol emergency support
groups. Back-up hospital changed to Baptist Hosp. After
review, 3 & 4 found acceptable.
KNIGHTON, G. Environmental Evaluation Branch (Pre 790625). 78/10/25.
1p. 94104:350.

781030203 Forwards corrected page#1 to Amend#30 to Lic#DPR-41 dtd
780921.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/25.
2pp. 02724:139.

781090015 Forwards Amend#40 & 32 to Facil Oper Lic#DPR-31 & DPR-41,
changing Tech Spec to reduce pressurizer heatup rate.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/25.
2pp. 94040:001.

--781090018 Amend#40 to Facil Oper Lic#DPR-31, changing Tech Spec to
reduce pressurizer heatup rate.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/25.
2pp. 94040:003.

--781090021 Amend#32 to Facil Oper Lic#DPR-41, changing Tech Spec to
reduce pressurizer heatup rate.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/25.
4pp. 94040:006.

--781090024 Safety Eval Supporting Amend#40 & 32 to Lic#DPR-31 & DPR-41.
Concludes that no adverse effects will result.
* Office of Nuclear Reactor Regulation, Director. 78/10/25. 3pp.
94040:010.

781130075 Forwards reissued Amend#38 & #31 to Facil Lic#DPR-31 &
#DPR-41 w/ corrected amend numbers.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/26.
2pp. 94478:329.

--781130080 Amend#38 to Facil Oper Lic#DPR-31, changing Tech Spec to
auth oper w/25% of tubes in plugged condition.
EISENHUT, D. Q. Assistant Director for Systems Engineering (Pre
791030). 78/09/22. 2pp. 94076:314.

--781130083 Amend#31 to Facil Oper Lic#DPR-41, changing Tech Spec re
refueling of Cycle 5 oper & auth oper w/25 percent tubes in
plugged condition.
EISENHUT, D. Q. Assistant Director for Systems Engineering (Pre
791030). 78/09/22. 13pp. 94076:344.

--781130170 Safety evaluation supporting Amend#38 & 31 to Lic#DPR-31 &
#DPR-41. Concludes that no harm will ensue.
* Office of Nuclear Reactor Regulation, Director. 78/09/22.
18pp. 94011:137.

--781130175 Notice of Issuance of Amend#38 & 31 to Facil Oper Lic#DPR-
31 & #DPR-41, changing Tech Spec re Cycle 5 oper & oper w/
tubes in plugged condition.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/09/22.
3pp. 94011:135.

781070180 Forwards check in response to 781019 request.
UHRIG, R. E. Florida Power & Light Co. 78/10/30. 1p. 94036:357.

7811290068 Amends#38 & #31 to Facil Oper Lic#DPR-31 & #DPR-41 for subj
facils were completed on 780922. W/issuance of these two
amends, all prior NRC Orders re subj facils have been
satisfied. Audit tabulation encl.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/08.
3pp. 94193:223.

phantom on whole body counter Encl 1 contains actual amount of each radionuclide present. Encl 2 gives ratio of measurements to DOE values & encl 3 gives recommendations SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch 78/11/09. 3pp. 94419:164.

7811210256 Notifies util of 781205 seminar in Atlanta to discuss new Model Rod Effluent Tech Specs & encl seminar info sheet, registration form, & proposed agenda O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/09. 3pp. 94488:330

7811160139 Forwards info in response to 780518 NRC request for info re steam generator & reactor coolant pump supports sufficient to show geometry of all principal elements Oversize drawings available in Central Files. UHRIG, R. E. Florida Power & Light Co. 78/11/10. 1p. 94135:249

--7811160142 "Report on Fracture Toughness & Potential for Lamellar Tearing of Steam Generator & Reactor Coolant Pump Supports." w/29 oversize drawings showing geometry of all principal elements available in Central Files
• Florida Power & Light Co 78/09/30. 40pp. 94135:250

7811300041 Forwards NRC staff paper, Policy Session Item (SECY-78-554) re licensee reg performance evaluation Three methods for evaluation are: statistical, trend analysis & regional survey method W/o encl. O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/15 2pp. 94071:035

7812180038 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73 Requests pre-workshop registration of attendees to facilitate sending out mat'l W/encl Registration Form & List of Locations. MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 3pp. 94133:031.

7812190036 Forwards Rev M1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133) GRIMES, B. K. Assistant Director for Engineers & Projects (Pre 790623). 78/11/15. 6pp. 94215:009.

7811270161 Forwards appl for Amend to Facil Operating Lic#DPR-31 & DPR-41 Proposed amend addresses Overpressure Mitigating Sys (OMS). Discusses limiting conditions for oper of Reactor Coolant Sys UHRIG, R. E. Florida Power & Light Co. 78/11/20. 11pp. 94252:324

7811280228 In response to 780915 NRC ltr, submits suppl to 760604 ltr to meet requirements of Sec V.B of Appendix I to 10CFR50 to operationally evaluate drain floor treatment sys which is suppl by a portable demineralizer. UHRIG, R. E. Florida Power & Light Co. 78/11/20. 3pp. 94012:047.

7812140357 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl ANOW 7812080207. SCHWENCER, A. Operating Reactors Branch 1 (Pre 790623). 78/11/28 6pp. 03557:223.

7812040336 Requests \$1,600 in lic fees since amend does not qualify for exemption under 10CFR170.22 footnote#2. MILLER, W. D. License Fee Management Branch. 78/11/29. 1p. 94129:356

7812280171 Emphasizes importance of submitting accurate & complete info to NRC by licensee & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result. DAVIS, J. G. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94375:011.

7812280019 Forwards copy of newly rev NPDES permit for subj facil. No environ impact will result from changes incorp into new permit. UHRIG, R. E. Florida Power & Light Co. 78/12/07. 1p. 94131:036.

--7812280026 Forwards NPDES permit for subj facil. Permit to become effective on date noted provided no request for adjudicatory hearing is filed with EPA. W/encl EPA correspondence. TRAINA, P. J. Environmental Protection Agency. 78/06/14. 1p. 94131:037.

Facil's to circulating water cooling canal sys, to become effective 780701 TRAINA, P. J. Environmental Protection Agency. 78/12/14 13pp. 94131:038

7812140150 Submits request to amend Appendix A of Facil Oper Lic#DPR-41, in response to 780719 NRC ltr. Amend concerns operability & surveillance of Facil Overpressure Mitigating UHRIG, R. E. Florida Power & Light Co. 78/12/11. 11pp. 94127:00

7812180378 Notice of 781218 meeting w/FL Light & Pwr Co to discuss review of subj facil's Steam Generator Replacement Prog. QRD TENHUIJEN, M. Operating Reactors Branch 1 (Pre 790623). 78/12/11 2pp. 94358:213

7812270195 Forwards addl info to suppl 780329 ltr in response to NRC request for detailed schedule for providing eval of effects of asymmetric loss of coolant accident loads. UHRIG, R. E. Florida Power & Light Co. 78/12/19. 1p. 94010:087

7812270187 Forwards Mat'l Status Rpt for period 771001 to 780331 for Lic#DPR-31, DPR-41, DPR-67 & SNM-1314 & Nuc Mat'l Transaction Rpt for Lic#DPR-31 & DPR-41. UHRIG, R. E. Florida Power & Light Co. 78/12/20. 31pp. 94018:00

7812270221 Forwards request to amend Appendix A of Facil Oper Lic# DPR-41. Subj proposal requests changes in rod insertion limits for both units to allow more flexibility in long range reload planning W/encl safety evaluation. UHRIG, R. E. Pennsylvania Power & Light Co. 78/12/22. 7pp. 94017:122.

7812280139 Informs of plans for next facil refueling & results of review of refueling analysis method Unit 3 is in oper cycle 3 & next refueling is sched for 791230. Westinghouse FLARE code will be used for reload design. UHRIG, R. E. Florida Power & Light Co. 78/12/22. 2pp. 94310:350

781210338 Requests relief from ASME Code requirements re ultrasonic examinations of piping welds. Recording & eval indications at 20% DAC is impractical. Primary reference level (100% DAC) criteria for UT exam provides comparable safety level. UHRIG, R. E. Florida Power & Light Co. 78/11/15. 4pp. 94484:324

G. Inspection reports, IE Bulletins & correspondence

7811130003 Forwards IE Inspec Rpts#50-230/78-17 & #50-231/78-17 on 780718-19 during which no items of noncompliance were noted. KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/08/24. 2pp. 94077:008

--7811130007 IE Inspec Rpts#50-230/78-17 & #50-231/78-17 on 780718 during which no items of noncompliance were noted. Major areas inspected: special security inspec re discovery of a hoax bomb device. MOORE, D. E., LILLESPUE, F. P. Region 2, Atlanta, Office of the Director. 78/08/23. 3pp. 94077:013.

7811010407 Forwards IE Inspec Rpt#50-250/78-16 & #50-231/78-16 on 780724-27 during which no items of noncompliance were noted. SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/21. 2pp. 94388:330.

--7811010411 IE Inspec Rpt#50-250/78-16 & #50-231/78-16 on 780724-27 during which no items of noncompliance were noted. Major areas inspected included: radiological environ protect & emergency planning. GIBSON, G. T. Region 2, Atlanta, Office of the Director. 78/09/21. 4pp. 94388:332.

7810110247 Grants requests in ltr of 780914 to w/hold proprietary info in Inspec Rpts#50-250/78-14 & #50-231/78-14. LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/02. 1p. 03555:230.

--7810110231 Requests w/holding proprietary info in Inspec Rpts #50-250/78-14 & #50-230/78-14. UHRIG, R. E. Florida Power & Light Co. 78/09/14. 1p. 94068:20

--7810110256 Forwards IE Inspec Rpts#50-250/78-14 & #50-231/78-14 780717-21 during which no items of noncompliance were noted. LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/21. 2pp. 94068:203.

DOCKETED ITEMS

- 7810110262 IE Inspec Repts#50-250/78-14 & #50-251/78-14 on 780717-21 during which no items of noncompliance were noted. Major areas inspected included: calibration, surveillance, & procurement.
OULTS, J. E., KELL, D. P. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/17. 8pp. 94068:205.
- 7810200188 Ack receipt of IE Inspec Repts#50-250/78-15 & #50-251/78-15. Does not consider any info therein to be proprietary.
UHRIG, R. E. Florida Power & Light Co. 78/10/03. 1p. 94366:319.
- 7810240067 Ack receipt of 780918 ltr informing NRC of steps taken to correct violations noted during inspec#50-250/78-12 & #50-251/78-12.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/10. 1p.
- 7810240075 Responds to 780814 NRC ltr re violations noted in Inspec Repts#50-250/78-12 & #50-251/78-12. Corrective actions: Ltr to be issued requiring operational release must be obtained prior to starting work on safety related equip.
UHRIG, R. E. Florida Power & Light Co. 78/09/29. 2pp.
- 7810240071 Responds to 780814 NRC ltr re violations noted Inspec Repts #50-250/78-12 & #50-251/78-12. Corrective actions include: procedures implemented to document signature of plant work orders documenting equip release.
UHRIG, R. E. Florida Power & Light Co. 78/09/18. 5pp.
- 7810240208 Forwards IE Inspec Repts#50-250/78-12 & #50-251/78-12 on 780626-29 & Notice of Violation.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/14. 2pp.
- 7810240211 Notice of Violation from inspec on 780626-29.
LEWIS, R. C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/14. 2pp.
- 7810240217 IE Inspec Repts#50-250/78-12 & #50-251/78-12 on 780626-29 during which 3 items of noncompliance were noted: Failure to document proper approval of plant work orders & operational release of safety related equip & control clearance of equip.
LEWIS, R. C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/14. 13pp.
- 7810260004 Ack receipt of 780823 ltr informing NRC of steps taken to correct violations noted in IE Insp Repts 50-250/78-10 & 50-251/78-10.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/10/13. 3pp. 94404:216.
- 7810260007 Responds to 780717 NRC ltr re violations noted in Inspec Repts#50-250/78-10 & 50-251/78-10. Clarifies info re training of Fire Team members & requests change to unresolved item. Requests suspension of deviation to review NUREG 0041.
UHRIG, R. E. Florida Power & Light Co. 78/08/23. 4pp. 94404:219.
- 7810260010 Forwards IE Inspec Repts#50-250/78-10 & #50-251/78-10 on 780526-0602 & Notice of Violation & Notice of Deviation.
SUTHERLAND, J. T. Region 2, Atlanta, Office of the Director. 78/07/17. 2pp. 94404:223.
- 7810260044 Notice of Violation from inspec on 780526-0602.
* Region 2, Atlanta, Office of the Director. 78/07/06. 1p. 94404:225.
- 7810260069 Notice of Deviation from inspec on 780526-0602. On 780601, 52 of 57 fire brigade trained members were not certified as respiratory protection qual per NUREG-0041.
* Region 2, Atlanta, Office of the Director. 78/07/06. 1p. 94404:226.
- 7810260073 IE Inspec Repts#50-250/78-10 & #50-251/78-10 on 780526-0602 during which 1 item of noncompliance & 1 item of deviation were noted: training of fire team personnel & certification of fire team personnel in respiratory protec.
GIBSON, G. T. Region 2, Atlanta, Office of the Director. 78/07/06. 6pp. 94404:227.
- 7810300321 Forwards IE Circular 78-17.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/10/13. 1p. 94253:329.
- 7812010125 Ack receipt of 781031 ltr informing NRC of steps taken to correct violations noted during inspec#50-250/78-10 &
- 7812010128 Responds to 781013 NRC ltr re violations noted in Inspec Repts#50-250/78-10 & #50-251/78-10. Corrective actions: respiratory protec training will be introduced by 781101 for members of each shift.
UHRIG, R. E. Florida Power & Light Co. 78/10/31. 1p. 94418:057.
- 7812120232 Forwards IE Inspec Repts#50-250/78-20 & #50-251/78-20 on 780905-08 & Notice of Violation.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/17. 2pp. 94277:206.
- 7812120235 Notice of Violation from inspec on 780905-08.
* Region 2, Atlanta, Office of the Director. 78/10/17. 1p. 94277:208.
- 7812120237 IE Inspec Repts#50-250/78-20 & #50-251/78-20 on 780905-08 during which 2 items of noncompliance were noted: use of or failure to rev obsolete procedures for maint or surveillance.
MARTIN, R. D. Region 2, Atlanta, Office of the Director.
JOHNSON, A. H., WHITENER, H. L. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/17. 7pp. 94277:209.
- 781070309 Ack receipt of IE Inspec Repts#50-250/78-18, #50-251/78-18, on 780822-25. Does not consider any info therein to be proprietary.
UHRIG, R. E. Florida Power & Light Co. 78/10/23. 1p. 94041:145.
- 781070314 Forwards IE Inspec Repts#50-250/78-18 & 50-251/78-18 on 780822-25 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/29. 2pp. 94041:147.
- 781070320 IE Inspec Repts#50-250/78-18 & 50-251/78-18 on 780822-25 during which no items of noncompliance were noted. Major areas inspected included: organization & admin, followup on noncompliance, IE Bulletins & circulars, reportable events.
VERDERY, E. H., LEWIS, R. C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/29. 7pp. 94041:149.
- 781030003 Ack receipt of 780914 ltr informing NRC of steps taken to correct violations noted in IE Insp Repts 50-250/78-11 & 50-251/78-11.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/24. 1p. 02720:221.
- 781030168 Responds to 780811 NRC ltr re violations noted in Inspec Repts#50-250/78-11 & #50-251/78-11. Corrective actions: radiation controlled Area inspec every shift; sealed sources being tested; contaminated respirators removed.
UHRIG, R. E. Florida Power & Light Co. 78/09/14. 5pp. 02720:222.
- 781030171 Forwards IE Inspec Repts#50-250/78-11 & #50-251/78-11 on 780619-23 & Notice of Violation.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/08/11. 2pp. 02720:227.
- 781030175 Notice of Violation from inspec on 780619-23.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/08/11. 3pp. 02720:229.
- 781030178 IE Inspec Repts#50-250/78-11 & #50-251/78-11 on 780619-23 during which 4 items of noncompliance were noted: control of high radiation areas; health physics procedures; periodic leak test; health physics retraining program.
* Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/24. 16pp. 02720:232.
- 7812010043 Ack receipt of IE Inspec Repts#50-250/78-17 & #50-251/78-17. Does not consider any info therein to be proprietary.
UHRIG, R. E. Florida Power & Light Co. 78/10/24. 1p. 94416:118.
- 781100082 Ack receipt of 781031 ltr informing NRC of steps taken to correct violations contained in IE Insp Repts 50-250/78-13 & #50-251/78-13.
KENNA, W. S. Region 2, Atlanta, Safeguards Branch. 78/10/31. 1p. 94179:332.
- 781100083 Responds to 780915 NRC ltr re violations noted in Inspec Repts#50-250/78-13 & #50-251/78-13. Corrective actions withheld (ref 10CFR2.790).
UHRIG, R. E. Florida Power & Light Co. 78/10/19. 1p. 94179:333.
- 781100086 Forwards IE Insp Rept 50-250/78-13 & 50-251/78-13 on 780710-13.
KENNA, W. S. Region 2, Atlanta, Safeguards Branch. 78/09/15. 2pp.

781190103 Forwards IE Circular 78-18.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/06
ip. 94113:295.

781240025 Ack receipt of IE Inspec Repts#50-250/78-19 & #50-251/78-19
on 780828-31. Does not consider any info therein to be
proprietary.
UHR10.R.E. Florida Power & Light Co. 78/11/09. ip. 94457:326.

--781240027 Forwards IE Inspec Repts#50-250/78-19 & #50-251/78-19 on
780828-31 during which no items of noncompliance were noted.
MURPHY, C.E. Region 2, Atlanta, Reactor Construction & Engineering
Support Branch 78/10/17. 2pp. 94457:327.

--781240033 IE Inspec Repts#50-250/78-19 & #50-251/78-19 on 780828-31
during which no items of noncompliance were noted. Major
areas inspected included: insvc inspec activities & records &
blake & mod welding & NDE Activities & Prog.
BLAKE, J., CONLON, T.E. Region 2, Atlanta, Reactor Construction &
Engineering Support Branch. 78/10/12. 6pp. 94457:329

7812010100 Ack receipt of IE Inspec Rept#50-250/78-23 & #50-251/78-23.
Does not consider any info therein to be proprietary.
UHR10.R.E. Florida Power & Light Co. 78/11/15. 6pp. 94417:082.

--7812010104 Forwards IE Inspec Rept#50-250/78-23 & #50-251/78-23 on
780912-15 during which no items of noncompliance were noted.
LONG, F.J. Region 2, Atlanta, Reactor Operations Nuclear Support
Branch. 78/10/23. 2pp. 94417:083.

--7812010109 IE Inspec Rept 50-250/78-23 & 50-251/78-23 on 780912-15
during which no items of noncompliance were noted. Major
areas inspected incl: plant oper, following of rept events, IE
bulletins & circulars.
VERDERY, E.H., LEWIS, R.C. Region 2, Atlanta, Reactor Operations
Nuclear Support Branch. 78/10/23. 5pp. 94417:085.

7812010116 Ack receipt of 781024 ltr informing NRC of steps taken to
correct violations noted during inspec#50-250/78-16 &
#50-251/78-16.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety
Branch. 78/11/16. ip. 94418:021.

--7812010119 Responds to 781016 NRC ltr re violations noted in Inspec
Repts#50-250/78-16 & #50-251/78-16. Corrective actions: serial
survey will be performed over sub; facil. procedural
requirements will be established for Ci/sec rate.
UHR10.R.E. Florida Power & Light Co. 78/10/24. 3pp. 94418:022.

7812090240 Ack receipt of IE Inspec Rept#50-250/78-22 & #50-251/78-22
on 780912-15. Does not consider any info therein to be
proprietary.
UHR10.R.E. Florida Power & Light Co. 78/11/16. ip. 94202:046.

--7812090242 Forwards IE Inspec Rept#50-250/78-22 & #50-251/78-22 on
780912-15 & Notice of Violation.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials
Safety Branch. 78/11/03. 2pp. 94202:047.

--7812090246 Notice of Violation from inspec on 780912-15.
* Region 2, Atlanta, Fuel Facility & Materials Safety Branch.
78/11/03. ip. 94202:049.

--7812090249 IE Inspec Rept#50-250/78-22 & #50-251/78-22 on 780912-15
during which 1 item of noncompliance was noted: review of
groundwater monitoring sched not done quarterly but semi-
annually w/out benefit of req amend to lic.
CUNNINGHAM, A.L., HUFHAM, J.W. Region 2, Atlanta, Fuel Facility &
Materials Safety Branch. 78/10/12. 6pp. 94202:030.

781210057 Forwards reproductions of articles that appeared in June &
Aug 1978 editions of Nuc Security Safeguards Newsletter.
KENNA, W.B. Region 2, Atlanta, Safeguards Branch. 78/11/17. 4pp.
94278:092.

7812040308 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
w/enc1 AND: 7811300053.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/24.
ip. 94129:160.

7812120236 Ack receipt of 781114 ltr informing NRC of steps taken to
correct violations noted during inspec#50-250/78-20,
#50-251/78-20.
LONG, F.J. Region 2, Atlanta, Reactor Operations Nuclear Support
Branch. 78/12/04. ip. 94277:202.

7812190235 Ack receipt of IE Inspec Repts#50-250/78-25 & #50-251/78-25
on 781016-20. Does not consider any info therein to be
proprietary.
UHR10.R.E. Florida Power & Light Co. 78/12/06. ip. 94376:001.

--7812190238 Forwards IE Inspec Repts#50-250/78-25 & #50-251/78-25 on
781016-20 during which no items of noncompliance were noted.
LONG, F.J. Region 2, Atlanta, Reactor Operations Nuclear Support
Branch 78/11/17. 2pp. 94376:002.

--7812190243 IE Inspec Repts#50-250/78-25 & #50-251/78-25 on 781016-20
during which no items of noncompliance were noted. Major
areas inspected incl: plant oper after refueling, followups of
noncompliance, oper items, IE publications, emergency drills.
VERDERY, E.H. Region 2, Atlanta, Reactor Operations Nuclear Support
Branch. 78/11/17. 7pp. 94376:004.

7812180138 Forwards facil Steam Generator Inspec Prog planned for Jan
1979.
UHR10.R.E. Florida Power & Light Co. 78/12/11. ip. 94365:284.

--7812180141 "Turkey Point Unit#3 Steam Generator Inspec Prog Planned
January 1979."
* Florida Power & Light Co. 78/12/11. 2pp. 94365:285.

7812210068 Ack receipt of IE Inspec Repts#50-250/78-24 & #50-251/78-24
Does not consider any info therein to be proprietary.
UHR10.R.E. Florida Power & Light Co. 78/12/11. ip. 94269:338.

--7812210071 Forwards IE Inspec Repts#50-250/78-24 & 50-251/78-24 on
781018-19 during which no items of noncompliance were noted.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials
Safety Branch. 78/11/22. 2pp. 94269:339.

--7812210076 IE Inspec Repts#50-250/78-24 & #50-251/78-24 on 781018-19
during which no items of noncompliance were noted. Major
areas inspected incl: observation of Annual Emergency
exercise, licensee fire drill & discussions w/personnel.
HUFHAM, J.W., O'BBDON, D.T. Region 2, Atlanta, Fuel Facility &
Materials Safety Branch. 78/11/22. 5pp. 94269:341.

7812280328 Ack receipt of 781201 ltr informing NRC of steps taken to
correct violations noted during inspec#50-250/78-21 &
#50-251/78-21.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety
Branch. 78/12/19. 2pp. 94082:155.

--7812280339 Responds to 781106 NRC ltr re violations noted in Inspec
Repts#50-250/78-21 & #50-251/78-21. Corrective actions:
respiratory protec equip training classes & health physics
training classes held.
UHR10.R.E. Florida Power & Light Co. 78/12/01. 5pp. 94082:157.

--7812280342 Forwards IE Inspec Repts#50-250/78-21 & #50-251/78-21 on
780911-15 & Notice of Violation.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials
Safety Branch. 78/11/06. 2pp. 94082:162.

--7812280344 Notice of Violation from inspec on 780911-15.
* Region 2, Atlanta, Office of the Director. 78/11/06. 2pp.
94082:164.

--7812280348 IE Inspec Repts#50-250/78-21 & #50-251/78-21 on 780911-15
during which 3 items of noncompliance were noted: issuance &
use of respirators, preparation of shipments of radioactive
matl not in requirements & failure to lock high radiat areas.
COLLINS, D.M., ZAVALONSKI, R.W., O'BBDON, A.F. Region 2, Atlanta,
Office of the Director. 78/11/03. 13pp. 94082:166.

7812290087 Forwards IE Bulletin 78-14.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/12/19.
2pp. 03669:358.

B. Reportable occurrences, LERs & related correspondence

7811060142 Forwards LER#78-013/03L-0.
SCHMIDT, A.D. Florida Power & Light Co. 78/10/27. ip. 94424:281.

--781060132 LERN78-013/03L-0 on 780929 Unit 3 condensate storage tank contained less than 185,000 gallons for period of about 4 hours. Caused by unit 3 steam generator blowdown w/no demineralized water makeup.
SCHOPPMAN, M A Florida Power & Light Co. 78/10/27. 1p. 94424.282

781060144 Forwards LERN78-014/03L-0.
SCHMIDT, A D Florida Power & Light Co. 78/10/27. 1p. 94489.039.

--781060148 LERN78-014/03L-0 on 780929: Comperator pur supply FC-3-484 malfunctioned due to faulty regulating oper amplifier in comperator's pur supply bd Amplifier was replaced & comperator tested satisfactorily.
SCHOPPMAN, M A Florida Power & Light Co. 78/10/27. 1p. 94489.038

7811220201 Forwards LERN78-015/03L-0.
SCHMIDT, A D Florida Power & Light Co. 78/11/08. 1p. 03693.278.

--7811220203 LERN78-015/03L-0 on 781010. 19 accessible safety related snubbers were replaced one at a time w/mechanical snubbers.
SCHOPPMAN, M A Florida Power & Light Co. 78/11/08. 1p. 03693.279

7812040187 Forwards LERN78-016/03L-0.
SCHMIDT, A D Florida Power & Light Co. 78/11/24. 1p. 94437.106.

--7812040189 LERN78-016/03L-0 on 781025: during pur oper, intake cooling water pumps were running when 3B pump motor failed. The 3B pump motor failed because of short circuit in the motor windings.
SCHOPPMAN, M A Florida Power & Light Co. 78/11/24. 1p. 94437.107

DOCKET 50-251 TURKEY POINT PLANT, UNIT 4

F. Security, medical, emergency & fire protection plans

7812080148 Licensee has been orally notified that Emergency Plan through Revision 4 dtd 780927 is acceptable, based on 781023 memo W/encl AND: 7811030177.
SCHMENCER, A Operating Reactors Branch 1 (Pre 790623). 78/11/28. 1p. 94104.349.

7812100010 Pending staff approval of Rev D requests util commit to prepare special security procedures applicable to the replacement of steam generators.
SCHMENCER, A Operating Reactors Branch 1 (Pre 790623). 78/12/01. 2pp. 94339.235.

7812120119 Discusses fire protection in operating nuclear power stations, in particular providing analysis of facilities' SER. Proposed fire protection mod increases level of protection against fire hazards.
HALL, R.E. Brookhaven National Laboratory. 78/12/06. 3pp. 94275.340.

7810120075 Forwards copies of Rev 4 to subj facil Emergency Plan.
UHRIG, R.E. Florida Power & Light Co. 78/09/27. 2pp. 94402.221.

--7810120081 Rev 4 to State of FL Radiological Emergency Plan dtd May 1975. Ltr of support w/ERDA dtd 750410. FL Highway Patrol Order 32 dtd 760401 & Coast Guard 760426 ltr encl.
* Florida Power & Light Co. 78/09/27. 16pp. 94402.223.

7810300325 Ack receipt of 780623 ltr re position that 3-man fire brigade is adequate to cope w/any fire at subj facil. Requests addl info so NRC may evaluate proposal.
SCHMENCER, A Operating Reactors Branch 1 (Pre 790623). 78/10/16. 3pp. 94253.341.

7810310121 Forwards Rev D to security plan dtd 780526 Withheld (ref 10CFR2.790).
UHRIG, R.E. Florida Power & Light Co. 78/10/24. 11pp.

7811130221 Forwards response to 781016 NRC ltr requesting info re availability of supplementary fire brigade support personnel actions req of personnel & training & equal of individual who established size of brigade & training prog.
UHRIG, R.E. Florida Power & Light Co. 78/11/07. 5pp. 03554.109.

7811280170 Forwards Amend#42 to Facil Oper Lic#DPR-31 & Amend#34 to Facil Oper Lic#DPR-41. Amend Tech Specs for Fire Protec Sys & Admin controls in Response to 771222 Appl(1-77-390).
SCHMENCER, A Operating Reactors Branch 1 (Pre 790623). 78/11/08. 5pp. 94013.173.

--7811280172 Amend#42 to Lic#DPR-31 rev common station Tech Specs to incorp limiting conditions for oper & surveillance requirements for existing fire protec sys.
SCHMENCER, A Operating Reactors Branch 1 (Pre 790623). 78/11/08. 2pp. 94013.178

--7811280174 Amend#34 to Lic#DPR-41 rev common station Tech Specs to incorp limiting conditions for oper & surveillance requirements for existing fire protec sys.
SCHMENCER, A Operating Reactors Branch 1 (Pre 790623). 78/11/08. 2pp. 94013.180.

--7811280178 Notice of Issuance of amend#34 & 42 to Facil Oper Lic# DPR-31 & DPR-41. Amend rev Tech Specs to incorp limiting conditions for oper & surveillance requirements for existing fire protec sys.
SCHMENCER, A Operating Reactors Branch 1 (Pre 790623). 78/11/08. 2pp. 94013.200.

7812120125 Requests addl info re fire protec at subj facil. Info concerns water supply, cable protec, yard hydrants, smoke venting equip & smoke removal. Documentation re info sought encl.
HALL, R.E. Brookhaven National Laboratory. 78/09/21. 9pp. 94275.345.

7812270190 Responds to 781201 NRC request for special security procedures. Agrees to prepare security procedures IAW Mod Amend Security Plan at least 90 days prior to commencing steam generator repair activity.
UHRIG, R.E. Florida Power & Light Co. 78/12/15. 1p. 94018.042

H. General correspondence

7812270168 Requests placement on distribution list for correspondence & repts dealing w/oper status for subj facil.
SHREVE, J. Florida. State of. 78/12/18. 1p.

I. Financial information

7811070144 Forwards req guarantees under Price-Anderson as amend 1975 under option 3. Encl provides info re 1977 annual rept, consolidated financial statements, cash flow projections, capital expenditure curtailments & cash flow sources.
UHRIG, R.E. Florida Power & Light Co. 78/10/30. 43pp. 94044.022.

J. Insurance & indemnity information

7810230140 Forwards Endorsement#37 to Nuc Energy Liability Insurance MNF-55. Also States that Endorsement#36 to Nuc Energy Liability Insurance MNF-183 was forwarded w/760618 FPL ltr (L-76-228).
UHRIG, R.E. Florida Power & Light Co. 78/10/09. 2pp. 94164.203.

7810300107 Forwards Endorsement#36 to Policy MNF-185 & Endorsement#37 to policy MNF-55.
UHRIG, R.E. Florida Power & Light Co. 78/10/09. 1p. 94033.236.

M. Antitrust correspondence

7811080144 "Notice of Appearance" re proceedings. Cert of Svc encl.
EVANS, D.J. Office of the Executive Legal Director. 78/10/30. 3pp. 94399.291.

7812270071 Provides notice that RC McDiamid & DA Diacalone w/draw as representatives of FL Cities in proc re subj facil.
JABLON, R.A. Spiegel & McDiamid. 78/12/13. 4pp. 94161.011.

P. Operating license stage documents & correspondence

7810110123 Forwards "Rept of Abnormal Indications from Metal Impact Monitoring Sys." during 780922-23 reactor coolant pump runs.
UHRIG, R.E. Florida Power & Light Co. 78/10/06. 2pp. 94067.349.

7812010382 Response to 780613 ltr re comments & corrective actions in 780404 NRC ltr re Diesel Generator Lockout. Util's response is adequate.
SCHMENCER, A Operating Reactors Branch 1 (Pre 790623). 78/06/30. 1p.

7812180378 Notice of 781218 meeting w/FL Light & Pur Co to discuss review of subj facil's Steam Generator Replacement Prog.
GROTEHUIJ, M. Operating Reactors Branch 1 (Pre 790623). 78/12/14. 2pp. 94358.215.

7812190035 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs For Nuc Pur Plants" (NUREG-0133).
GRINES, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94215.009

7812280026 Forwards NPDES permit for subj facil Permit to become effective on date noted provided no request for adjudicatory hearing is filed with EPA. W/enc1 EPA correspondence.
TRAINA, P. J. Environmental Protection Agency. 78/06/14. 1p. 94121.037

7810250175 Notice of Proposed Issuance of Amends to Facil Oper Lic. NRC is considering issuance of amends to Facil Oper Lic. DPR-31 & DPR-41. Amends rev Tech Specs re transient & accident analysis.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/08/04. 4pp. 94393.062.

7811210191 Notice of Issuance of Amends 3B & 31 to Facil Oper Lic#DPR-31 & #DPR-41. Amends change Tech Specs re refueling of Unit 4 Cycle 5 oper.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/09/22. 3pp. 94488.003.

7810120022 Forwards test rpt for 770701-780630 per 10CFR50.59b.
UHRIG, R. E. Florida Power & Light Co. 78/10/04. 1p. 94330.174.

--7810120023 Test rpt details plant change/mode, procedure changes, tests & expers. Major areas: task-crane-add-limit switches, diesel emergency diesel surge tank, NDDOT overpressure relief protection, reactor coolant pump seal mod, Flammable addition.
* Florida Power & Light Co. 78/10/04. 65pp. 94330.175

7810110159 Responds to 780802 NRC ltr re meteorological data. Forwards info tables re wind frequency.
UHRIG, R. E. Florida Power & Light Co. 78/10/05. 9pp. 94069.226

7810270182 Ack receipt of 780719 ltr requesting proposed Tech Specs be submitted addressing overpressure protec. Will submit info by 781115.
UHRIG, R. E. Florida Power & Light Co. 78/10/19. 1p. 94037.083.

7810300003 Requests add'l \$400 fee to process 780809 appl for amend to Facil Lic #DPR-31 & DPR-41.
MILLER, W. D. License Fee Management Branch. 78/10/19. 1p. 94034.224.

7811030177 Ack review of Rev 1,2,3,4. Rev 1 & 2 found acceptable. Rev 3 & 4 update arrangements w/ various radol emergency support groups. Back-up hospital changed to Baptist Hosp. After review, 3 & 4 found acceptable.
KNIGHTON, Q. Environmental Evaluation Branch (Pre 790625). 78/10/25. 1p. 94104.350.

7811030203 Forwards corrected page#1 to Amend#30 to Lic#DPR-41 dtd 780921.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/25. 2pp. 02724.139.

7811090015 Forwards Amend#40 & 32 to Facil Oper Lic#DPR-31 & DPR-41, changing Tech Spec to reduce pressurizer heatup rate.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/25. 2pp. 94040.001.

--7811090018 Amend#40 to Facil Oper Lic#DPR-31, changing Tech Spec to reduce pressurizer heatup rate.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/25. 2pp. 94040.003.

--7811090021 Amend#32 to Facil Oper Lic#DPR-41, changing Tech Spec to reduce pressurizer heatup rate.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/25. 4pp. 94040.006.

--7811090024 Safety Eval Supporting Amend#40 & 32 to Lic#DPR-31 & DPR-41. Concludes that no adverse effects will result.
* Office of Nuclear Reactor Regulation, Director. 78/10/25. 3pp. 94040.010.

7811130075 Forwards reissued Amend#38 & #31 to Facil Lic#DPR-31 & #DPR-41 w/ corrected amend numbers.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/26. 2pp. 94478.329.

--7811130080 Amend#38 to Facil Oper Lic#DPR-31, changing Tech Spec to auth oper w/25% of tubes in plugged condition.
EISENHUT, D. G. Assistant Director for Systems Engineering (Pre 791030). 78/09/22. 2pp. 94076.314.

--7811130083 Amend#31 to Facil Oper Lic#DPR-41, changing Tech Spec re refueling of Cycle 5 oper & auth oper w/25 percent tubes in plugged condition.
EISENHUT, D. G. Assistant Director for Systems Engineering (Pre 791030). 78/09/22. 13pp. 94076.344.

--7811130170 Safety evaluation supporting Amend#38 & 31 to Lic#DPR-31 & #DPR-41. Concludes that no harm will ensue.
* Office of Nuclear Reactor Regulation, Director. 78/09/22. 18pp. 94011.137.

--7811130175 Notice of Issuance of Amend#38 & #31 to Facil Oper Lic#DPR-31 & #DPR-41, changing Tech Spec re Cycle 5 oper & oper w/ tubes in plugged condition.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/09/22. 3pp. 94011.155.

7811070180 Forwards check in response to 781019 request
UHRIG, R. E. Florida Power & Light Co. 78/10/30. 1p. 94036.357.

7811290068 Amends#38 & #31 to Facil Oper Lic#DPR-31 & #DPR-41 for subj facil. Were completed on 780922 w/ issuance of these two amends. All prior NRC Orders re subj facil have been satisfied. Audit tabulation encl.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/08. 3pp. 94193.223.

7811200417 Forwards results of measurements of radioactive mat'l in NRC phantom on whole body counter Encl 1 contains actual amount of each radionuclide present; encl 2 gives ratio of measurements to DOE values & encl 3 gives recommendations.
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/09. 3pp. 94419.164.

7811210256 Notifies util of 781205 seminar in Atlanta to discuss new Model Rod Effluent Tech Specs & encl seminar info sheet, registration form, & proposed agenda.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/09. 5pp. 94488.330.

7811160139 Forwards info in response to 780318 NRC request for info re steam generator & reactor coolant pump supports sufficient to show geometry of all principal elements. Oversite drawings available in Central Files.
UHRIG, R. E. Florida Power & Light Co. 78/11/10. 1p. 94133.249.

--7811160142 "Report on Fracture Toughness & Potential for Lamellar Tearing of Steam Generator & Reactor Coolant Pump Supports." w/29 oversite drawings showing geometry of all principal elements available in Central Files.
* Florida Power & Light Co. 78/09/30. 40pp. 94135.250.

7811300041 Forwards NRC staff paper, Policy Session Iter (BECY-78-354) & licensee reg performance evaluation. Three methods for evaluation are: statistical, trend analysis & regional survey method w/o encl.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/15. 2pp. 94071.035.

7812180038 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73 Requests pre-workshop registration of attendees to facilitate sending out mat'l w/ encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 3pp. 94133.031.

7811270161 Forwards appl for Amend to Facil Operating Lic#DPR-31 & DPR-41. Proposed amend addresses Overpressure Mitigating Sys (OMS). Discusses limiting conditions for oper of Reactor Coolant Sys.
UHRIG, R. E. Florida Power & Light Co. 78/11/20. 11pp. 94252.324.

7811280228 In response to 780915 NRC ltr, submits suppl to 760604 ltr meet requirements of Sec V.8 of Appendix I to 10CFR50 to operationally evaluate drain floor treatment sys which is suppl by a portable demineralizer.
UHRIG, R. E. Florida Power & Light Co. 78/11/20. 3pp. 94012.047.

7812140357 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing w/ encl AND# 7812080207.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/28. 6pp. 03557.223.

7812040336 Requests \$1,600 in lic fees since amend does not qualify for exemption under 10CFR170.22 footnote#2.
MILLER, W. D. License Fee Management Branch. 78/11/29. 1p. 94129.356.

7812280171 Emphasizes importance of submitting accurate & complete info to NRC by licensee & applicants info submitted must be substantiated by data & calculations Licensee must notify NRC of any inaccuracies or enforcement action will result
DAVIS, J. Q. Office of Inspection & Enforcement, Office of the Director 78/12/05 2pp 94373 011

7812280019 Forwards copy of newly rev NPDES permit for subj facil No environ impact will result from changes incorp into new permit
UHRIG, R. E. Florida Power & Light Co 78/12/07 1p 94131:036.

--7812280040 Authorization to discharge under NPDES from FL Pwr & Light Facils to circulating water cooling canal sys. to become effective 780701
TRAINA, P. J. Environmental Protection Agency 78/12/14 13pp. 94131 038

7812140146 Forwards "Cycle 5 Startup Rept
UHRIG, R. E. Florida Power & Light Co 78/12/08 1p 94479:001.

--7812140152 "Cycle 5 Startup Rept " Test began 780927 w/initial criticality & was completed 780930.
HENDON, R. Q., TOMONTO, J. R., KAHINSKAS, V. A. Florida Power & Light Co. 78/12/08 28pp 94479 002.

7812140150 Submits request to amend Append A of Facil Oper Lic#DPR-31 & DPR-41 in response to 780719 NRC ltr Amend concerns operability & surveillance of Facil Overpressure Mitigating.
UHRIG, R. E. Florida Power & Light Co 78/12/11 11pp. 94127:009.

7812210196 States acceptance criteria on rod worths is w/in 10% from design For Cycle 4 the difference from Westinghouse design was 7.5% Provides measured vs design values for rod worth in ppm boron concentrations.
UHRIG, R. E. Florida Power & Light Co. 78/12/14 1p. 94279:067.

7812270195 Forwards addl info to suppl 780529 ltr in response to NRC request for detailed schedule for providing eval of effects of asymmetric loss of coolant accident loads
UHRIG, R. E. Florida Power & Light Co. 78/12/19 1p 94018:087.

7812270187 Forwards Matl Status Rept for period 771001 to 780331 for Lic#DPR-31, DPR-41, DPR-67 & BHM-1514 & Nuc Matl Transaction Rept for Lic#DPR-31 & DPR-41
UHRIG, R. E. Florida Power & Light Co. 78/12/20 31pp. 94018:006.

7812270221 Forwards request to amend Append A of Facil Oper Lics DPR-31 & 41 Subj proposal requests changes in rod insertion limits for both units to allow more flexibility in long range reload planning W/entl safety evaluation.
UHRIG, R. E. Pennsylvania Power & Light Co. 78/12/22 7pp 94017:122

7812280139 Informs of plans for next facil refueling & results of review of refueling analysis method Unit 3 is in oper cycle 3 & next refueling is sched for 791230 Westinghouse FLARE code will be used for reload design.
UHRIG, R. E. Florida Power & Light Co. 78/12/22 2pp. 94310:350.

7811210338 Requests relief from ASME Code requirements re ultrasonic examinations of piping welds Regarding & eval indications at 20% DAC is impractical. Primary reference level (100% DAC) criteria for UT exam provides comparable safety level
UHRIG, R. E. Florida Power & Light Co. 78/11/15 4pp 94484:324

D. Inspection reports, IE Bulletins & correspondence

7811100082 Ack receipt of 781031 ltr informing NRC of steps taken to correct violations contained in IE Insp Repts 50-250/78-13 & #50-251/78-13
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/10/31. 1p 94179:332

--7811100083 Responds to 780915 NRC ltr re violations noted in Inspec Repts#50-250/78-13 & #50-251/78-13. Corrective actions withheld (ref 10CFR2.790).
UHRIG, R. E. Florida Power & Light Co. 78/10/19 1p. 94179:333.

--7811100086 Forwards IE Insp Rept 50-250/78-13 & 50-251/78-13 on 780710-13
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/09/19. 2pp. 94179 335.

7811130003 Forwards IE Inspec Repts#50-250/78-17 & #50-251/78-17 on 780718-19 during which no items of noncompliance were noted.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/08/24. 2pp. 94077:008.

--7811130007 IE Inspec Repts#50-250/78-17 & #50-251/78-17 on 780718-19 during which no items of noncompliance were noted. Major areas inspected: special security inspect re discovery of a hoax bomb device
MOORE, D. E., OILLESPIE, F. P. Region 2, Atlanta, Office of the Director. 78/08/23 3pp. 94077 013

7812010043 Ack receipt of IE Inspec Repts#50-250/78-17 & #50-251/78-17. Does not consider any info therein to be proprietary.
UHRIG, R. E. Florida Power & Light Co 78/10/24. 1p. 94416:118.

7812010100 Ack receipt of IE Inspec Repts#50-250/78-23 & #50-251/78-23. Does not consider any info therein to be proprietary.
UHRIG, R. E. Florida Power & Light Co. 78/11/15 8pp. 94417:082.

--7812010104 Forwards IE Inspec Rept#50-250/78-23 & #50-251/78-23 on 780912-15 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/23. 2pp 94417:083

--7812010109 IE Inspec Rept 50-250/78-23 & 50-251/78-23 on 780912-15 during which no items of noncompliance were noted. Major areas inspected incl: plant oper. following of rept events, IE bulletins & circulars.
VERDERY, E. H., LEWIS, R. C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/23. 3pp. 94417:085.

7812010116 Ack receipt of 781024 ltr informing NRC of steps taken to correct violations noted during inspec#50-250/78-16 & #50-251/78-16
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/16. 1p 94418:021.

--7812010119 Responds to 781016 NRC ltr re violations noted in Inspec Repts#50-250/78-16 & #50-251/78-16. Corrective actions: aerial survey will be performed over subj facil, procedural requirements will be established for C1/sec rate.
UHRIG, R. E. Florida Power & Light Co. 78/10/24. 3pp. 94418:022.

7812010125 Ack receipt of 781031 ltr informing NRC of steps taken to correct violations noted during inspec#50-250/78-10 & #50-251/78-10
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch 78/11/16. 1p. 94418:036.

--7812010128 Responds to 781013 NRC ltr re violations noted in Inspec Repts#50-250/78-10 & #50-251/78-10. Corrective actions: Respiratory protect training will be introduced by 781101 for members of each shift.
UHRIG, R. E. Florida Power & Light Co. 78/10/31. 1p. 94418:037.

781210057 Forwards reproductions of articles that appeared in June & Aug 1978 editions of Nuc Security Safeguards Newsletter
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/17. 4pp. 94278:092.

7811010407 Forwards IE Inspec Repts#50-250/78-16 & #50-251/78-16 on 780724-27 during which no items of noncompliance were noted.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/21. 2pp. 94388:330.

--7811010411 IE Inspec Repts#50-250/78-16 & #50-251/78-16 on 780724-27 during which no items of noncompliance were noted. Major areas inspected included: radiological environ protect & emergency planning.
O'BRYEN, Q. T. Region 2, Atlanta, Office of the Director. 78/09/11. 4pp. 94388:332.

7810110247 Grants requests in ltr of 780914 to w/hold proprietary info in Inspec Repts#50-250/78-14 & 50-251/78-14.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/02. 1p. 03553:230.

--7810110251 Requests w/holding proprietary info in Inspec Repts #50-250/78-14 & 50-250/78-14.
UHRIG, R. E. Florida Power & Light Co. 78/09/14. 1p. 94068:202.

--7810110256 Forwards IE Inspec Repts#50-250/78-14 & #50-251/78-14 on 780717-21 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/21. 2pp. 94068:203.

--7810110262 IE Inspec Repts#50-250/78-14 & #50-251/78-14 on 780717-21 during which no items of noncompliance were noted. Major areas inspected included: calibration, surveillance, & procurement.
QUZTB, J. E., KELLOGG, P. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/17. 8pp. 94068:205.

7810240067 Ack receipt of 780918 ltr informing NRC of steps taken to correct violations noted during inspec#50-250/78-12 & #50-251/78-12.
LDNG.F.J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/10. 1p.

--7810240075 Responds to 780814 NRC ltr re violations noted in Inspec Repts#50-250/78-12 & #50-251/78-12. Corrective actions: Ltr to be issued requiring operational release must be obtained prior to starting work on safety related equip.
UHR10.R.E. Florida Power & Light Co. 78/09/29. 2pp.

--7810240071 Responds to 780814 NRC ltr re violations noted Inspec Repts #50-250/78-12 & #50-251/78-12. Corrective actions include: procedures implemented to document signature of plant work orders documenting equip release.
UHR10.R.E. Florida Power & Light Co. 78/09/18. 3pp.

--7810240208 Forwards IE Inspec Repts#50-250/78-12 & #50-251/78-12 on 780626-29 & Notice of Violation
LDNG.F.J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/14. 2pp.

--7810240211 Notice of Violation from inspec on 780626-29.
LEWIS.R.C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/14. 2pp.

--7810240217 IE Inspec Repts#50-250/78-12 & #50-251/78-12 on 780626-29 during which 3 items of noncompliance were noted: failure to document proper approval of plant work orders & operational release of safety related equip & control clearance of equip.
LEWIS.R.C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/14. 13pp.

7810260004 Ack receipt of 780823 ltr informing NRC of steps taken to correct violations noted in IE Insp Repts 50-250/78-10 & 50-251/78-10.
O'REILLY,J.P. Region 2, Atlanta, Office of the Director. 78/10/13. 3pp. 94404:216.

--7810260007 Responds to 780717 NRC ltr re violations noted in Inspec Repts#50-250/78-10 & 50-251/78-10. Clarifies info re training of Fire Team members & requests change to unresolved item. Requests suspension of deviation to review NUREG 0041.
UHR10.R.E. Florida Power & Light Co. 78/08/23. 4pp. 94404:219.

--7810260010 Forwards IE Inspec Rept#50-250/78-10 & #50-251/78-10 on 780526-0602 & Notice of Violation & Notice of Deviation.
BUTHERLAND,J.T. Region 2, Atlanta, Office of the Director. 78/07/17. 2pp. 94404:223.

--7810260064 Notice of Violation from inspec on 780526-0602.
* Region 2, Atlanta, Office of the Director. 78/07/06. 1p. 94404:225.

--7810260069 Notice of Deviation from inspec on 780526-0602. On 780601, 52 of 57 fire brigade trained members were not certified as respiratory protection qual per NUREG-0041.
* Region 2, Atlanta, Office of the Director. 78/07/06. 1p. 94404:226.

--7810260073 IE Inspec Repts#50-250/78-10 & #50-251/78-10 on 780526-0602 during which 1 item of noncompliance & 1 item of deviation were noted: training of fire team personnel & certification of fire team personnel in respiratory protec.
O'BRIEN,G.T. Region 2, Atlanta, Office of the Director. 78/07/06. 6pp. 94404:227.

7810300321 Forwards IE Circular 78-17.
O'REILLY,J.P. Region 2, Atlanta, Office of the Director. 78/10/13. 1p. 94253:329.

7812120232 Forwards IE Inspec Repts#50-250/78-20 & #50-251/78-20 on 780905-08 & Notice of Violation.
LDNG.F.J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/17. 2pp. 94277:206.

--7812120235 Notice of Violation from inspec on 780905-08.
* Region 2, Atlanta, Office of the Director. 78/10/17. 1p. 94277:208.

--7812120237 IE Inspec Repts#50-250/78-20 & #50-251/78-20 on 780905-08 during which 2 items of noncompliance were noted: use of failure to rev obsolete procedure for maint or surveillance.
MARTIN,R.D. Region 2, Atlanta, Office of the Director.
JOHNSON,A.H., WHITENER,H.L. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/17. 7pp. 94277:209.

7811070309 Ack receipt of IE Inspec Repts#50-250/78-18, #50-251/78-18, on 780822-25. Does not consider any info therein to be proprietary.
UHR10.R.E. Florida Power & Light Co. 78/10/23. 1p. 94041:146.

--7811070314 Forwards IE Inspec Repts#50-250/78-18 & 50-251/78-18 on 780822-25 during which no items of noncompliance were noted. Major areas inspected included: organization & admin. followup on noncompliance, IE Bulletins & circulars, reportable events.
VERDERY,E.H., LEWIS,R.C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/29. 2pp. 94041:147.

--7811070320 IE Inspec Repts#50-250/78-18 & 50-251/78-18 on 780822-25 during which no items of noncompliance were noted. Major areas inspected included: organization & admin. followup on noncompliance, IE Bulletins & circulars, reportable events.
VERDERY,E.H., LEWIS,R.C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/29. 7pp. 94041:149.

7811030003 Ack receipt of 780914 ltr informing NRC of steps taken to correct violations noted in IE Insp Repts 50-250/78-11 & 50-251/78-11.
BUTHERLAND,J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/24. 1p. 02720:221.

--7811030168 Responds to 780811 NRC ltr re violations noted in Inspec Repts#50-250/78-11 & #50-251/78-11. Corrective actions: radiation controlled Area inspect every shift; sealed sources being tested; contaminated respirators removed.
UHR10.R.E. Florida Power & Light Co. 78/09/14. 5pp. 02720:222.

--7811030171 Forwards IE Inspec Repts#50-250/78-11 & #50-251/78-11 on 780619-23 & Notice of Violation
BUTHERLAND,J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/08/11. 2pp. 02720:227.

--7811030175 Notice of Violation from inspec on 780619-23
BUTHERLAND,J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/08/11. 3pp. 02720:229.

--7811030178 IE Inspec Repts#50-250/78-11 & #50-251/78-11 on 780619-23 during which 4 items of noncompliance were noted: control of high radiation areas; health physics procedures; periodic leak tests; health physics retraining program.
* Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/24. 16pp. 02720:232.

7811210188 Responds to NRC ltr re violations noted in Inspec Repts#50-250/77-28 & #50-251/77-28. Corrective actions: 2 thermowells & 2 couplings were replaced & welds liquid penetrant tested.
UHR10.R.E. Florida Power & Light Co. 78/10/31. 2pp. 94488:039.

781150103 Forwards IE Circular 78-18.
O'REILLY,J.P. Region 2, Atlanta, Office of the Director. 78/11/06. 1p.

7811240025 Ack receipt of IE Inspec Repts#50-250/78-19 & #50-251/78-19 on 780828-31. Does not consider any info therein to be proprietary.
UHR10.R.E. Florida Power & Light Co. 78/11/09. 1p. 94457:326.

--7811240027 Forwards IE Inspec Repts#50-250/78-19 & #50-251/78-19 on 780828-31 during which no items of noncompliance were noted.
MURPHY,C.E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/10/17. 2pp. 94457:327.

--7811240033 IE Inspec Repts#50-250/78-19 & #50-251/78-19 on 780828-31 during which no items of noncompliance were noted. Major areas inspected included: insvc inspec activities & records & maint & mod welding & NDE Activities & Prog.
BLAKE,J., CONLON,T.E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/10/12. 6pp. 94457:329.

7812050240 Ack receipt of IE Inspec Repts#50-250/78-22 & #50-251/78-22 on 780912-15. Does not consider any info therein to be proprietary.
UHR10.R.E. Florida Power & Light Co. 78/11/16. 1p. 94202:046.

--7812050242 Forwards IE Inspec Repts#50-250/78-22 & #50-251/78-22 on 780912-15 & Notice of Violation.
BUTHERLAND,J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/03. 2pp. 94202:047.

--7812050246 Notice of Violation from inspec on 780912-15.
* Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/03. 1p. 94202:049.

7812040308 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12
Wencil AND. 7811300055
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/24.
ip. 94129:160.

7812100236 Ack receipt of 781114 ltr informing NRC of steps taken to
correct violations noted during inspec#50-250/78-20.
#50-251/78-20.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support
Branch. 78/12/04 ip. 94277:202.

--7812102039 Responds to 781017 NRC ltr re violations noted in Inspec
Repts#50-250/78-20 & 50-251/78-20. Corrective actions: work
packages w/ most recent info will be made & released to field
& review of new Tech Specs initiated.
UHR10, R.E. Florida Power & Light Co. 78/12/04. 3pp. 94277:203.

7812190235 Ack receipt of IE Inspec Repts#50-250/78-25 & #50-251/78-25
on 781016-20. Does not consider any info therein to be
proprietary.
UHR10, R.E. Florida Power & Light Co. 78/12/06. ip. 94376:001.

--7812190238 Forwards IE Inspec Repts#50-250/78-25 & #50-251/78-25 on
781016-20 during which no items of noncompliance were noted.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support
Branch. 78/11/17 2pp. 94376:002.

--7812190243 IE Inspec Repts#50-250/78-25 & #50-251/78-25 on 781016-20
during which no items of noncompliance were noted. Major
areas inspected incl: plant oper after refueling, followups of
noncompliance, oper items, IE publications, emergency drills.
VERDERY, E.H. Region 2, Atlanta, Reactor Operations Nuclear Support
Branch. 78/11/17. 7pp. 94376:004.

7812210068 Ack receipt of IE Inspec Repts#50-250/78-24 & #50-251/78-24.
Does not consider any info therein to be proprietary.
UHR10, R.E. Florida Power & Light Co. 78/12/11. ip. 94269:338.

--7812210071 Forwards IE Inspec Repts#50-250/78-24 & 50-251/78-24 on
781018-19 during which no items of noncompliance were noted.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials
Safety Branch. 78/11/22. 2pp. 94269:339.

--7812210076 IE Inspec Repts#50-250/78-24 & #50-251/78-24 on 781018-19
during which no items of noncompliance were noted. Major
areas inspected incl: observation of annual Emergency
exercise, license fire drill & discussions w/ personnel.
HUFHAM, J.W., QIBSON, Q.T. Region 2, Atlanta, Fuel Facility &
Materials Safety Branch. 78/11/22. 5pp. 94269:341.

7812280328 Ack receipt of 781201 ltr informing NRC of steps taken to
correct violations noted during inspec#50-250/78-21 &
#50-251/78-21.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety
Branch. 78/12/19. 2pp. 94082:155.

--7812280339 Responds to 781106 NRC ltr re violations noted in Inspec
Repts#50-250/78-21 & #50-251/78-21. Corrective actions:
respiratory protect equip training classes & health physics
training classes held.
UHR10, R.E. Florida Power & Light Co. 78/12/01. 5pp. 94082:157.

--7812280342 Forwards IE Inspec Repts#50-250/78-21 & #50-251/78-21 on
780911-15 & Notice of Violation.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials
Safety Branch. 78/11/06. 2pp. 94082:162.

--7812280344 Notice of Violation from inspec on 780911-15.
a Region 2, Atlanta, Office of the Director. 78/11/06. 2pp.
94082:164.

--7812280348 IE Inspec Repts#50-250/78-21 & #50-251/78-21 on 780911-15
during which 3 items of noncompliance were noted: issuance &
use of respirators, preparation of shipments of radioactive
material in requirements & failure to lock high radiat areas
COLLINS, D.M., ZAVADORSKI, R.W., QIBSON, A.F. Region 2, Atlanta,
Office of the Director. 78/11/03. 13pp. 94082:166.

7812290087 Forwards IE Bulletin 78-14.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/12/19.
2pp. 03669:358.

snubbers failed functional tests due to control block poppet
valve & relief valve malfunctions & excessive main cylinder
wear. Hydraulic type replaced w/mechanical type snubbers.
SCHOPPHAN, M.A. Florida Power & Light Co. 78/09/30. ip.
94471:347.

7810200093 Forwards LER#78-010/03L-0.
SCHMIDT, A.D. Florida Power & Light Co. 78/10/11. ip. 94140:346.

--7810200096 LER#78-010/03L-0 on 780911: Leakage of radioactively
contaminated water to paved area outside of pump room for 30
minutes, caused by spent fuel pit cooling pump mech seal
failure.
SCHOPPHAN, M.A. Florida Power & Light Co. 78/10/11. ip.
94140:347.

7810200114 Forwards LER#78-012/01T-0.
SCHMIDT, A.D. Florida Power & Light Co. 78/10/11. ip. 94401:215.

--7810200117 LER#78-012/01T-0 on 780927: No Adverse effect from substitute
of fuel assembly N-07 for an N-04 in core position F-14.
Cycle 5 reload Safety Eval remains valid.
SCHOPPHAN, M.A. Florida Power & Light Co. 78/10/11. ip.
94401:216.

7810200250 Forwards LER#78-011/03L-0.
SCHMIDT, A.D. Florida Power & Light Co. 78/10/13. ip. 94052:280.

--7810200253 LER#78-011/03L-0 on 780920: Preventive maintenance checks of
MSIV's solenoid valves revealed defective coils. Failure of
coils caused by high temp & moisture in area. Preventive
maintenance re solenoid coils is planned.
SCHOPPHAN, M.A. Florida Power & Light Co. 78/10/13. 2pp.
94052:281.

7811060157 Forwards LER#78-013/03L-0.
SCHMIDT, A.D. Florida Power & Light Co. 78/10/27. ip. 94489:076.

--7811060163 LER#78-013/03L-0 on 780929: condensate storage tank held
less than 185,000 gallons for about 8 hours. Caused by leaks
in condenser tubes, necessitating increased steam generator
blowdown. Flow demand exceeded output of treatment plant.
SCHOPPHAN, M.A. Florida Power & Light Co. 78/10/27. ip.
94489:077.

7811080148 Forwards LER#78-014/03L-0.
SCHMIDT, A.D. Florida Power & Light Co. 78/11/01. ip. 94399:307.

--7811080150 LER#78-014/03L-0 on 781002: condensate storage Tank(CST) fell
to 182,000 gallons because of water demand increase for
steam generator blowdown resulting from cation resin bed
regeneration. CST filled after resin bed regeneration.
SCHOPPHAN, M.A. Florida Power & Light Co. 78/10/02. ip.
94399:308.

7812040221 Forwards LER#78-015/01T-0.
SCHMIDT, A.D. Florida Power & Light Co. 78/11/20. ip.

--7812040222 LER#78-015/01T-0 on 781106: Boron Injection Tank(BIT) sample
showed low Boron level. Exact cause is unknown, but it is
suspected the actual BIT concentration was proper & the
sample was diluted & invalid.
SCHOPPHAN, M.A. Florida Power & Light Co. 78/11/20. 3pp.
94492:309.

7812050176 Forwards LER#78-010/03L-1.
SCHMIDT, A.D. Florida Power & Light Co. 78/11/27. ip. 94333:134.

--7812050181 LER#78-010/03L-1 on 780911: Spent fuel pit cooling pumps mech
seal failed causing 150 gallons of radioactively
contaminated water to leak to paved area outside pump room
caused by inadequately lubricated pump bearing.
SCHOPPHAN, M.A. Florida Power & Light Co. 78/11/27. ip.
94333:135.

7812270307 Forwards LER#78-016/03L-0.
SCHMIDT, A.D. Florida Power & Light Co. 78/12/15. ip. 94230:348.

--7812270312 LER#78-016/03L-0 on 781115: Crack in 4A charging pump discharge piping drain line developed due to crack in a 1 inch nipple (type 316 stainless steel), which was subsequently replaced.
SCHOPPMAN, M.A. Florida Power & Light Co. 78/12/15. 2pp.
94230 346.

DOCKET 50-252 UNIV. OF NEW MEXICO RESEARCH REACTOR

J. Insurance & indemnity information

7812140153 Forwards Amend#9 to Indemnity Agreement#E-47.
RICHARDS, B. New Mexico, Univ. of 78/12/06 1p. 94133:344.

--7812140157 Amend#9 to Indemnity Agreement#E-47. Article III, Paragraph 4(b)(2) amended by changing amount to \$140000000
BALTZMAN, J. Antitrust & Indemnity Group. 78/12/05. 1p.
94133:345.

DOCKET 50-254 QUAD-CITIES STATION, UNIT 1

F. Security, medical, emergency & fire protection plans

7810120080 Forwards analysis of Elec Cable Penetration Fire Barrier Test conducted on 780619. Also forwards 3rd party observer report of test & 5 detailed drawings associated w/test.
NAUGHTON, W.F. Commonwealth Edison Co. 78/09/29. 4pp. 94049:330.

781020349 Responds to 780929 ltr requesting NRC agreement to respond to requests in case of offsite emergency. Under Interagency Agreement, DOE Chicago Oper Ofc coordinates requests in area.
KEPPLER, J.G. Region 3, Chicago, Office of the Director. 78/10/25. 1p. 94241:087.

--781020375 Requests NRC assistance in event of emergency at subj facil.
KALIVIANAKIS, N. Commonwealth Edison Co. 78/09/29. 1p.
94241:088.

7812120195 Informs NRC name of fire protec consulting firm hired by CEIL to fulfill requirements of "Fire Protec Organization of Nuc Plant Fire Protec Functional Responsibilities Admin Controls & OA" will be submitted 790201.
NAUGHTON, W.F. Commonwealth Edison Co. 78/11/30. 2pp. 94277:099.

G. Adjudicatory correspondence

7811090259 Bd grants request by Citizens for a Better Environ & Natural Resources Defense Council for permission to file response to answers opposing their petitions to intervene by 781103.
MILHOLLIN, G.L. Atomic Safety and Licensing Board Panel. 78/11/01. 1p. 02761:290.

781210284 Cancels special prehearing conference scheduled for 781215. Conference shall be held on 790111 in Tax Courtroom of US Courthouse & Fed Bldg, Chicago, IL. Parties & petitioners must report to Board by 781215 re progress of negotiations.
MILHOLLIN, G.L. Atomic Safety and Licensing Board Panel. 78/12/01. 2pp. 94203:243.

7810190131 Answer by CEIL to Petition to Intervene filed by Atty Gen of IL on 780920. Agrees that Atty Gen has standing, but asserts there are no genuine issues to be heard at hearing. Requests that Atty Gen request for EIS be denied.
STEPTOE, P.P. Isham, Lincoln & Beale. 78/10/02. 3pp.

7810300063 Natural Resources Defense Council Request for Leave to File a Response. Response is to applicant's contention re constitutionality of forced disclosure of group's members' names in order to open w/in state.
ROISMAN, A.Z. Natural Resources Defense Council. 78/10/10. 4pp. 94037:177.

7810300324 NRC Staff Answers to Council for Citizens for Better Environ & Natural Resources Defense Council's Petition for Leave to Intervene. Staff opposes granting petition w/Cert of Bvc.
QUDDARD, R.J. Office of the Executive Legal Director. 78/10/10. 3pp. 94253:337.

7810230124 NRC Staff's Response to Petition of TEX-LA Cooperative, Inc for Leave to Intervene. Staff believes Petition should be granted.
LEBBY, R.P., BLUME, M.B. Office of the Executive Legal Director. 78/10/10. 9pp.

7810100063 Petition for leave to intervene & for hearing filed by citizens for Better Environ & Natural Resources Defense Council Request for leave to file response to answers opposing petition is granted.
MILHOLLIN, G.L. Atomic Safety and Licensing Board Panel. 78/10/13 1p. 94302:360.

7811130223 "Natural Resources Defense Council Response to Commonwealth Edison's & Staff's Answers to Petition for Leave to Intervene." Intervenor urges Bd to establish a schedule for briefing challenges to contentions.
ROISMAN, A.Z. Natural Resources Defense Council. 78/10/23 16pp. 94270:137.

7811130216 NRC request to file response to NRDC response to Comm Ed & NRC answer to petition for leave to intervene dtd 781023 1p granted, reply will be served by 781103 Cert of Bvc encl.
QUDDARD, R.J. Office of the Executive Legal Director. 78/10/26 2pp. 03354:050.

7811200070 Request by Comm Ed for leave to file a response to NRDC brief which argues that organizations may show standing to participate in NRC proceedings merely by alleging that they represent anonymous members. Cert of Bvc encl.
STEPTOE, P.P. Isham, Lincoln & Beale. 78/10/30. 2pp. 94218:348.

7811600021 Grants request by licensee CEIL to have until 781107 to respond to 781013 Order of ASLB permitting NRDC & Citizens for a Better Environ to file response to answers opposing their petitions to intervene in proceedings re subj facil.
MILHOLLIN, G.L. Atomic Safety and Licensing Board Panel. 78/11/03 1p. 94317:090.

7811220010 NRC Staff's Response to NRDC's Response to Answers to latter's Petition for leave to intervene. NRC asserts that NRDC has not demonstrated its standing to intervene as matter of right. Cert of Bvc encl.
QUDDARD, R.J. Office of the Executive Legal Director. 78/11/03. 8pp. 94273:334.

7811200003 Special Prehearing Conference in proceedings re subj facil will be held on 781215 in Rock Island, IL. All parties to proc & all petitioners to intervene must attend & should be prepared to discuss all issues.
MILHOLLIN, G.L. Atomic Safety and Licensing Board Panel. 78/11/09. 2pp. 94215:221.

7812130122 Gives notice that A Bielawski enters an appearance on behalf of applicant CEIL in proceedings re subj facil. Cert of Bvc encl.
BIELAWSKI, A.P. Isham, Lincoln & Beale. 78/11/21. 2pp. 94307:188.

7812270230 Proposed stipulation re NRDC & CBE's representation of unnamed members in Dresden-Quad Cities transshipment is not acceptable to NRC. NRC position on NRDC's petition to intervene remains as stated in 781103 pleading.
QUDDARD, R.J. Office of the Executive Legal Director. 78/12/06. 1p.

7812280271 Forwards "Stipulation" of NRDC, CBE & Commonwealth Edison Co re identification of members of NRDC & CBE to prove they have interests that may be affected. No agreement w/Reg Staff has been reached.
ROISMAN, A.Z. Natural Resources Defense Council. 78/12/08. 1p. 94374:334.

--7812280280 Parties agree that NRDC & CBE have adequately identified at least one member whose interest may be adversely affected by the proposed action. Auth to represent these interested members has not been agreed upon.
ROISMAN, A.Z. Natural Resources Defense Council. STEPTOE, P.P. Commonwealth Edison Co. 78/12/11. 3pp. 94374:335.

7812270123 Special Prehearing Conf Scheduled for 790111 is postponed until 790201. Parties & petitions are excused from requirement to report to Bd by 781215 re negotiations progress.
MILHOLLIN, G.B. Atomic Safety and Licensing Board Panel. 78/12/13. 2pp. 94161:142.

H. General correspondence

7812080158 Forwards CEIL request for amend of OL to allow spent fuel transfer & storage between facilis. W/o encl.
QUDDARD, R.J. Office of the Executive Legal Director. 78/11/17. 1p. 94107:356.

7812190109 Requests refund of \$6 per mut in excess indemnity fee paid for Lic#DPR-2, #DPR-19, #DPR-25, #DPR-29, #DPR-30, #DPR-39, #DPR-48.
POOLE, R. D. Commonwealth Edison Co. 78/12/13. 1p.

P. Operating license stage documents & correspondence

7812080026 FOIA request for all records incl: quantity of radioactive matl disposed of from former Manhattan proj in IL known as Chicago Piles#1, 2 & 3. Matl disposed of in IL by Lindsay Cos at Morris facil & Dresden facil.
HANSELL, D. Illinois, State of. 78/11/06. 2pp.

7812130278 Classifies lic amend for proposed fuel pool mod as Classes IV & I not Classes III & I. Requires addl charge of \$8300 for each of the two appls to be paid w/in 15 days.
MILLER, W. O. License Fee Management Branch. 78/12/11. 2pp.
94213:329

7810100030 Requests addl fee of \$2800 re appl for amend to Facil Oper Lic#DPR-29 & DPR-30 since review involves Classes I & III. single safety issue w/total fee of \$4400.
MILLER, W. O. License Fee Management Branch. 78/10/02. 1p.
94063:150

7810100027 Forwards evaluation of reactor protect sys pur supplies to determine whether undetected failures adversely affect the RPB sys.
TURBAK, M. B. Commonwealth Edison Co. 78/10/04. 5pp.

7810140112 Reevaluation of Lic amend fees for inter-station spent fuel transfer for subj facila as requested by 780817 ltr shows that the class I & J fees paid for each station are correct.
MILLER, W. O. License Fee Management Branch. 78/10/10. 1p.
94421:151

7811240237 Forwards LER#78-010/03L-1.
KALIVIANAKIS, N. Commonwealth Edison Co. 78/10/25. 1p. 94458:227.

7811020322 Request to amend Section 6.6.8.1.0 of Appendix A to Tech Specs to facil oper lic re reporting req for reactivity anomalies is w/drawn, as Reg Guide "Interpretation" by NRC on 780701 does not req rpt for reactivity increase of less than 5 sec.
REED, C. Commonwealth Edison Co. 78/10/26. 2pp.

7811030161 Forwards proposed Amend changing Tech Specs w/regard to updating station organizational charts. Changes have received onsite & offsite approval.
REED, C. Commonwealth Edison Co. 78/10/26. 5pp.

7811130335 Summary of 780914 meeting w/QE representatives & Mark I Owners Group re progress of Long Term Prog w/attendance list & agenda (RD-9-A-Mark I Standards).
GRIMES, B. C. Plant Systems Branch (Pre 791030). 78/10/26. 67pp.

7811140105 Responds to 780316 NRC ltr requesting addl info re reactor vessel metal surveillance specimen fluence valves at time of withdrawal, w/projections based on dosimetry results of previously tested capsules & 80% capacity factor, w/o encl.
TURBAK, M. B. Commonwealth Edison Co. 78/11/03. 2pp. 94425:125.

7811140002 Notifies applicant of 781128 NRC-sponsored seminar re Model Radiological Effluent Tech Specs for Nuc Pur Plants w/encl Seminar Info Sheet to be completed & returned by 781171 & Proposed Agenda.
KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/07. 6pp.

7811300058 Forwards Amend#39, #37, #48 & #47 for Lics DPR-19, DPR-25, DPR-19 & DPR-30 respectively. Amends revise Tech Specs re operating temp & pressure limits. Also forwards Safety Eval & Fed Register Notice.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/13. 3pp.

--7811300070 Amend#48 to the Operating Lic rev Tech Specs re operating temp & pressure limits.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/13. 6pp.

--7811300077 Safety Eval Rpt re support of Amend#39, #37, #48 & #47 to Oper Lics DPR-19, DPR-25, DPR-29 & DPR-30, respectively.
* Office of Nuclear Reactor Regulation, Director. 78/11/13. 4pp.

--7811300085 Notice of Issuance of Amend#39, #37, #48 & #47 to Oper Lics DPR-19, DPR-25, DPR-29 & DPR-30, respectively.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/13. 2pp.

7812180044 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. W/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/13. 5pp. 94133:049.

7812180266 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for BWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
GRIMES, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94363:349.

7812080107 Forwards rev page to Topical Rpt CE-1-A: "Dual Assurance Prog. Rev 6." Rev reflects Reg Guidel. 2B & 1.33 rev.
TURBAK, M. B. Commonwealth Edison Co. 78/11/17. 2pp.

7812170170 Lic#DPR-29 Appl for amended Tech Specs to support core reload#4. W/encl plant analysis on suppl reload lic submittal. Barrier Lead Test Assemblies, & LOCA Analysis Rpt for Dresden Units 2&3 & Quad Cities Units 1&2.
REED, C. Commonwealth Edison Co. 78/11/20. 109pp. 94199:001.

7811280213 Forwards current lic status list for subj facila.
REED, C. Commonwealth Edison Co. 78/11/20. 9pp.

7811280246 Forwards "Projected Fluence Values at Withdrawal for the Capsules Designated to Meet the Requirements of 10CFR50 Appendix H." Table 1 to be attached to 781103 ltr to IPPolito.
TURBAK, M. B. Commonwealth Edison Co. 78/11/20. 2pp. 94012:162.

7812060166 Informs NRC that response to 781115 NRC ltr re lic amend appl & ownership for subj facil will be made by Commonwealth Edison.
MILLER, R. B. Iowa-Illinois Gas & Electric. 78/11/24. 1p. 94371:260.

7812100001 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND:
#7812080207.
IPPOLITO, T. A. Operating Reactors Branch 2 (Pre 790625). 78/11/29. 8pp. 94339:089.

7812140176 Forwards Oct 1978 Prog Activity Review listing meetings held & providing task-by-task activity summary for the month.
BOBON, L. J. General Electric Co. 78/12/04. 11pp.

7812080149 Requests addl info within 60 days re 781106 & 780821 submittals on instru setpoints.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/12/05. 3pp. 94104:351.

7812280129 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. O. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp.

7812190097 Accepts topical rpt#CE-1-A Rev#6, "Comm Edison Co Quality Assurance Prog for Nuc Generating Stations." Requests submittal of 36 copies.
HAASE, W. P. Quality Assurance Branch. 78/12/13. 1p.

7812270225 Provides addl info re gaseous releases described in 781030 ltr. Cause of increase in off-gas activity is believed to be fuel leakers & corrective action for high gaseous activity is to maintain minimum leakage by close surveillance.
KALIVIANAKIS, N. Commonwealth Edison Co. 78/12/13. 2pp. 94017:139.

7812200219 Forwards addl info re core loading pattern for reload#4, indicating that reactor shutdown margin, loading error, & rod withdrawal were recalculated.
TURBAK, M. B. Commonwealth Edison Co. 78/12/15. 9pp. 94162:293.

7811210367 Forwards addl info re multiple consecutive safety/relief valve actuation of Mark I containment program.
BOBON, L. J. General Electric Co. 78/11/13. 3pp.

Inspection reports, IE Bulletins & correspondence

310067 Forwards IE Inspec Repts #50-254/78-19 & #50-265/78-20 on 3713-14, 780719-20, 780726-27, 780802-03, & 780810-11, during which no items of noncompliance were noted.
FIDRELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/09/19. 2pp. 94290:103.

11010076 IE Inspec Repts #50-254/78-19 & #50-265/78-20 on 780713-14, 780719-20, 780726-27, 780802-03, & 780810-11, during which no items of noncompliance were noted. Major areas inspected included: plant oper & out-of-svc activities.
JACKIW, I. N., KNOP, R. C. Region 3, Chicago, Office of the Director. 78/09/18. 6pp. 94290:103.

080077 Forwards IE Inspec Repts #50-254/78-20 & #50-265/78-21 on 0822-23, 29, 0901 during which no items of noncompliance were noted.
VIB, A. B. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/10/02. 2pp. 94271:124.

11080080 IE Inspec Repts #50-254/78-20 & #50-265/78-21 on 780822-23, 29, 0901 during which no items of noncompliance were noted. Major areas inspected included: radioactive waste sys, effluent releases & effluent control instru.
HUESTER, L. J., FISHER, W. L. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/10/02. 11pp.

110293 Ack receipt of 780901 ltr informing NRC of steps taken to correct violations noted in 780810 NRC ltr.
PPLER, J. Q. Region 3, Chicago, Office of the Director. 78/10/03. p. 03556:074.

060120 Presents control rod drive return nozzle & feedwater nozzle spec progs to be implemented during next refueling outage, scheduled for Jan 1979. Justification for progs is provided & also plan for mod of feedwater nozzles.
REBAK, M. B. Commonwealth Edison Co. 78/10/27. 8pp.

070002 Ack receipt of 781006 ltr informing NRC of steps taken to correct violations noted in 780920 Notice of Violation.
ND, J. A. Region 3, Chicago, Safeguards Branch. 78/10/27. 1p. 037:072.

030011 Forwards IE Inspec Repts #50-010/78-29, 50-237, -254, -295, -304/-25, 30-249/78-27 & 50-265/78-26 on 781002 during which no items of noncompliance were noted.
PPLER, J. Q. Region 3, Chicago, Office of the Director. 78/10/30. p.

040033 Forwards IE Inspec Repts #50-254/78-21 & #50-265/78-22 on 0821-25, 780831, 780901, 780906-07, 780913-14, 781003-04 & title of Deviation.
FIDRELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/31. 2pp. 94129:092.

112040038 Notice of Deviation from inspec on 780821-25.
* Region 3, Chicago, Office of the Director. 78/10/31. 1p. 94129:094.

112040046 IE Inspec Repts #50-254/78-21 & #50-265/78-22 on 780821-25 during which 1 item of deviation was noted: excessive amounts of oil stored near vital cabling, smoking in No Smoking Area.
JACKIW, I. N., BROWN, C. H., KNOP, R. C. Region 3, Chicago, Office of the Director. 78/10/30. 6pp.

1040225 Forwards IE Inspec Repts #50-254/78-24 & 50-265/78-23 on 11004-06 during which no items of noncompliance were noted.

LENNAN, R. F. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/10/31. 2pp. 94382:174.

112060230 IE Inspec Repts #50-254/78-24 & #50-265/78-25 on 781004-06 during which no items of noncompliance were noted. Major areas inspected incl: IE Bulletins & Circular followup relative to qual of elec equip.
HUGHES, J., SPESSARD, R. L. Region 3, Chicago, Office of the Director. 78/10/31. 6pp. 94382:176.

1130063 Forwards IE Circular 78-18.
PPLER, J. Q. Region 3, Chicago, Office of the Director. 78/11/06.

1040080 Responds to 781031 NRC ltr re violations noted in Inspec Repts #50-254/78-21 & #50-265/78-22. Corrective actions: areas

7812050287 Forwards IE Bulletin #78-12A, suppl to IE Bulletin 78-12. W/encl AND: 7811300035.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/11/24. 1p.

7812260292 Ack receipt of 781120 ltr informing NRC of steps taken to correct violations noted in 781031 NRC ltr.
FIDRELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/12/14. 1p. 94160:045.

7812290026 Forwards IE Bulletin 78-14.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/12/19. 1p.

R. Periodic operating reports & related correspondence

7810250111 Monthly performance rept for Sept 1978. Includes maint summary, average daily unit pur level, refueling info request & LER's.
* Commonwealth Edison Co. * Iowa-Illinois Gas & Electric. 78/09/30. 25pp. 94268:332.

7811220031 Forwards Monthly Operating Rept for Oct 1978.
KALIVIANAKIS, N. Commonwealth Edison Co. 78/11/09. 1p. 94309:010.

--7811220033 Monthly Operating Rept for Oct 1978.
* Commonwealth Edison Co. 78/10/30. 30pp. 94309:011.

7812200235 Forwards Monthly Oper Rept for Aug, Sept, Oct 1978, correcting mistakes made in Aug & Sept Average Daily Unit Pur Level Rept & in the Sept & Oct Operating Data Repts.
KALIVIANAKIS, N. Commonwealth Edison Co. 78/11/28. 1p. 94162:325.

--7812200241 Monthly Oper Rept for Aug, Sept, Oct 1978. Corrections are circled in red.
HANNUM, D. Commonwealth Edison Co. 78/11/08. 6pp. 94162:326.

7812200186 Monthly Oper Rept for Nov 1978.
* Iowa-Illinois Gas & Electric. 78/11/30. 26pp. 94145:314.

B. Reportable occurrences, LERs & related correspondence

7810170232 Forwards LER #78-027/03L-0.
KALIVIANAKIS, N. Commonwealth Edison Co. 78/10/05. 1p. 94236:312.

--7810170235 LER #78-027/03L-0 on 780928: Unit One diesel fuel transfer lines 1-3201 & 1-3204 were taken out of svc at 4:55a.m. 780928 to replace 2 sections of piping. Sys returned to svc same day.
VAHRENWALD, J. Commonwealth Edison Co. 78/10/05. 2pp. 94236:313.

7811240175 Forwards LER #78-026/03L-0.
KALIVIANAKIS, N. Commonwealth Edison Co. 78/10/19. 1p. 94458:268.

--7811240177 LER #78-026/03L-0 on 780920: "A" RHR room watertight door found open. Caused by contractor personnel ignorance. Personnel admonished to heed procedures at all times.
KODI, M. Commonwealth Edison Co. 78/10/19. 2pp. 94458:269.

7811240240 LER #78-010/03L-1 on 780420: during routine Hydraulic Snubber Surveillance Inspec, Snubber Mark 149 was found inoper due to empty fluid reservoir & Mark 144 was found w/missing cotter pin, due to component failure.
VAHRENWALD, J. Commonwealth Edison Co. 78/10/25. 3pp. 94458:228.

7811240179 Forwards LER #78-026/03L-0.
KALIVIANAKIS, N. Commonwealth Edison Co. 78/10/27. 1p. 94458:275.

--7811240181 LER #78-026/03L-0 on 780929: the A BJAIE off gas log radiat monitor failed downscale. Caused by component failure: the A radiat monitor high voltage pur supply capacitors were not in proper contact w/monitor chassis.
MURRAY, R. Commonwealth Edison Co. 78/10/17. 2pp. 94458:276.

7811070118 Notifies NRC that average release rate for radioactive matls w/half-lives greater than 8 days during between 780701 & 780930 was 2.03 times Tech Spec 3.8.B.3.C(1) design objective. Eval of elevated main chimney release rate has started.
KALIVIANAKIS, N. Commonwealth Edison Co. 78/10/30. 2pp. 94043:319.

7812110181 Forwards LER #78-029/03L-0.
KALIVIANAKIS, N. Commonwealth Edison Co. 78/11/15. 1p. 94237:10A.

--7812110183 LER#78-029/03L-0 on 781025: smoke detectors were removed from svc in cable spreading room, elec equip room & control room for installation of new fire detection/suppression sys.
REED, M. Commonwealth Edison Co. 78/11/15. 1p. 94337:103.

7812110176 Forwards LER#78-030/03L-0
KALIVIANAKIS, N. Commonwealth Edison Co. 78/11/21. 1p. 94337:096.

--7812110178 LER#78-030/03L-0 on 781026: dual position indication was received for suppression chamber to drywell vacuum breaker, valve#1-1601-33E. Caused by position indication problem.
CLARK, D. Commonwealth Edison Co. 78/11/20. 1p. 94337:097.

DOCKET 50-255 PALISADES NUCLEAR PLANT

F. Security, medical, emergency & fire protection plans

7812130161 Forwards rev security plans for subj facili as requested by NRC Plans withheld (ref 10CFR2.790).
HOFFMAN, D. P. Consumers Power Co. 78/12/08. 1p. 94305:120.

K. Utility Final Safety Analysis Report (FSAR) & amends

7812270146 Forwards rev page 8-18 of Section 8 of subj facil FSAR. Change consists of changing a/c sys supply from motor control centers 1& 2 to Motor Control Centers 1&3 & having only 1 MCC automatically supplied by emergency generator.
FOOD, W. O. Consumers Power Co. 78/12/21. 2pp. 94159:148.

P. Operating license stage documents & correspondence

7810110030 Requests addl fee of \$2800 re appl for amend to Facil Oper Lic#DPR-29 & DPR-30 since review involves Classes I & III, single safety issue w/total fee of \$4400.
MILLER, W. O. License Fee Management Branch. 78/10/02. 1p. 94063:150.

7812110011 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND:
#7812080207
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/11/29. 8pp. 94339:237.

7810110111 Clarifies interpretation of Tech Spec 3.1.1a, stating that one primary coolant pump shall be in oper whenever a reduction in primary coolant sys boron concentration is being made.
HOFFMAN, D. P. Consumers Power Co. 78/10/04. 1p. 94066:357.

7810190218 Forwards electric diagrams omitted from 780808 package. Set of aperture cards advanced directly to R Silver.
HOFFMAN, D. P. Consumers Power Co. 78/10/10. 1p. 94415:191.

7810310027 Informs that for SEP normal channel of oral communication will be followed, but to expedite reviews direct oral communication between subj facil staff & members of SEP branch is encouraged.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/10. 2pp. 94094:347.

7810160097 Informs of delay in providing NRC w/info re environ qualification of safety-related equip due to slow review of tables presented.
BIXEL, D. A. Consumers Power Co. 78/10/11. 1p. 94004:221.

7810270278 Forwards Amend #44 to Provisional Operating Lic #DPR-20. Amend auth deletion of requirement to perform weekly monitoring of fish impingement on intake traveling screens.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/16. 3pp. 94030:287.

--7810270286 Amend #44 to Provisional Lic #DPR-20, deleting requirement to perform weekly monitoring of fish impingement on intake traveling screens.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/16. 4pp. 94030:290.

--7810270293 Notice of Issuance of Amend #44 to Provisional Oper Lic #DPR-20, auth deletion of requirement to perform weekly monitoring of fish impingement on intake traveling screens.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/16. 2pp. 94030:294.

7810270075 Responds to 780817 NRC ltr requesting review of initial eval

781130047 Requests addl info re BEF switchover from injection to recirculation mode, isolation of reactor safety protect sys from non-safety sys & engr safety features, (EBF) sys logic & design.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/10/26. 3pp. 94010:231.

781130167 Notifies applicant of 781128 NRC-sponsored seminar re Model Radiological Effluent Tech Specs for Nuc Pwr Plants. Encl w/Beminar Info Sheet to be completed & returned by 781117) & Proposed Agenda.
KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/07. 6pp. 03553:215.

7812180035 Notice of workshops re implementation of training & qual requirements contained in Append B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. W/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 5pp. 94133:024.

7812190017 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pwr Plants" (NUREG-0133).
GRIMES, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94214:292.

7812060303 Notification of 781207 meeting w/BEP Owner's Group in Bethesda, MD to discuss plans to address seismic input for use in BEP seismic review.
LEVIN, H. A. Systematic Evaluation Programs Branch (Pre 790625). 78/11/24. 2pp.

7812040164 Forwards 781026 Notice of Noncompliance & Order to comply from MI Water Resources Comm. & 781116 util reply. Effluent in violation: oil & grease.
HOFFMAN, D. P. Consumers Power Co. 78/11/27. 5pp. 94456:164.

7812050119 Forwards completed tabulation of environ qual of safety-related elec equip requested by NRC on 780906. States that equip addressed must ensure safe shutdown of plant during LOCA & main steam line break.
HOFFMAN, D. P. Consumers Power Co. 78/11/30. 57pp. 94333:291.

7812120100 Presents justification for installation & use of high density spent fuel storage racks. Includes response to 780613 NRC request for addl info. Concludes that tests demonstrate structure adequacy of SAC matl.
HOFFMAN, D. P. Consumers Power Co. 78/12/04. 19pp. 94275:001.

7812140343 Determines that 781002 emergency pwr sys mods will req staff review & approval. Since review involves a single safety issue it is subj to a \$4,000 Class III fee.
MILLER, W. O. License Fee Management Branch. 78/12/04. 1p. 03557:167.

7812280118 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. O. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94310:213.

7812120182 Informs NRC of filter testing condition in respiratory protect equip which is different from regulation in Reg Guide 8.15, but which meets the regulatory requirements.
BIXEL, D. A. Consumers Power Co. 78/12/08. 1p. 94277:082.

7812150085 Requests addl info from BEP licensees re electrical penetrations of reactor containments to complete evaluation.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/08. 4pp. 94211:339.

7812210091 Forwards NUREG-0485, Vol 1, No 2 "Status Summary Rept-8ys Eval Prog." W/o encl.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/08. 2pp. 94269:154.

7812030013 Requests views of Regional Directors on Licensee performance eval of subj facili. Forwards questions to be answered by 771209.
THORNBURG, H. Division of Reactor Construction Inspection. 77/11/23. 2pp.

7812270147 Requests info re positive displacement charging pump vibration levels & discharge pressure pulsations to complete review.
ZIEHMANN, D. L. Operating Reactors Branch 2 (Pre 790625). 78/12/14. 3pp. 94018:053.

See. Changes involve nuc steam supply sys & fuel assembly design.
HOFFMAN, D. P. Consumers Power Co. 78/12/18. 33pp. 94160:140.

78270174 Clarifies Tech Spec 3.1.14 re boron dilution in order to make it consistent w/subj Facil Standard Tech Specs.
HOFFMAN, D. P. Consumers Power Co. 78/12/21. 1p. 94018:095.

12280134 Responds to 781208 request for addl info re SEP Topic VIII-4 "Electrical Penetrations of Reactor Containments." Requires tabulation of info selected by NRC in docket search by early Jan to prepare reply within schedule.
BIXEL, D. A. Consumers Power Co. 78/12/22. 1p. 94310:339.

Inspection reports, IE Bulletins & correspondence

12120212 Forwards IE Inspec Rept#50-255/78-05 on 780111-13, 18-20, 24-27, 31 & 780201-03, 16-17 during which 5 items of noncompliance were noted. Inspec Rept withheld (ref 10CFR2.790).
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/04/27. 3pp. 94276:067.

12040172 Ack receipt of 780512 ltr informing NRC of steps taken to correct violations noted during inspec#50-255/78-05.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/06/12. 2pp. 94456:228.

7812040174 Responds to 780421 NRC ltr & submits attachment w/ request that it be withheld pursuant to 2.790.
YOUNGDAHL, R. C. Consumers Power Co. 78/05/12. 1p. 94456:230.

7812040178 Responds to 780421 NRC ltr re violations noted in Inspec Rept#50-255/78-05. Attachment withheld from pub disclosure pursuant to 2.790.
BIXEL, D. A. Consumers Power Co. 78/05/12. 1p. 94456:231.

11300314 Forwards IE Inspec Rept#50-255/78-17 on 780724-28, 780730, 780801-03 & 780814-18 during which no items of noncompliance were noted.
FIORELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/09/29. 2pp. 94136:358.

7811300318 IE Inspec Rept #50-255/78-17 on 780724-28, 780730, 780801-03 & 780814-18 during which no items of noncompliance were noted. Major areas inspected incl: oper, reportable events, records, review & audit procedures & safety injection sys oper.
HUNTER, D. R., JORGENSEN, B. L. Region 3, Chicago, Office of the Director. 78/09/29. 17pp. 94137:001.

11010186 Ack receipt of 780908 ltr informing NRC of steps taken to correct violations noted in 780818 NRC ltr.
HIND, J. A. Region 3, Chicago, Safeguards Branch. 78/10/02. 1p. 94069:130.

110130185 Ack receipt of 780905 ltr in response to Inspec Rept#50-255/78-16. Clarifies NRC position on 5 items of noncompliance objected to by licensee. Also requests that mgt control of radiat safety prog be addressed by future response.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/10/05. 4pp. 94003:130.

11100898 Forwards IE Inspec Repts#50-255/78-20 on 780828-31 & 780907-08 during which no items of noncompliance were noted.
DAVIS, A. B. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/10/05. 2pp. 02762:345.

7811090303 IE Inspec Rept#50-255/78-20 on 780828-31 & 780907-08 during which no items of noncompliance were noted. Major areas inspected incl: Emergency Plan procedure, examination of facil & samples.
GREER, R. J. Region 3, Chicago, Office of the Director. 78/10/05. 8pp. 02762:347.

911300225 Forwards IE Inspec Rept#50-255/78-05 during Jan-Feb 1978 & Notice of Violation w/encl AND#7811300177.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/10/06. 2pp. 94027:124.

910230334 Forwards IE Circular#78-17. (See AND: 7810030221, Docket 50-313, 781013).
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/10/13. 1p. 94194:305.

Gen Office Health Physics group in procedure dev & training.
HOFFMAN, D. P. Consumers Power Co. 78/10/27. 2pp. 94218:395.

7811300349 Forwards IE Inspec Rept#50-255/78-22 on 780925 & Notice of Violation.
FIORELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/27. 2pp. 94116:219.

--7811300350 Notice of Violation from inspec on 780925-29.
* Region 3, Chicago, Office of the Director. 78/10/27. 1p. 94116:221.

--7811300354 IE Inspec Rept#50-255/78-22 on 780925-29 during which 1 item of noncompliance was noted: Failure to complete appropriate admin review. Noncompliance w/Tech Specs 6 B.1.
HUNTER, D. R., JORGENSEN, B. L. Region 3, Chicago, Office of the Director. 78/10/26. 8pp. 94116:222.

7812010124 Forwards IE Inspec Rept#50-255/78-23 on 781002-06 & Notice of Violation.
FIORELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/27. 2pp. 94418:048.

--7812010126 Notice of Violation from inspec on 781002-06.
* Region 3, Chicago, Office of the Director. 78/10/27. 1p. 94418:050.

--7812010129 IE Inspec Rept#50-255/78-23 on 781002-06 during which 2 items of noncompliance were noted: Failure to follow procedures & failure to implement an acceptable insvt testing prog for pumps.
REYES, L. A., STREETEY, J. F. Region 3, Chicago, Office of the Director. 78/10/27. 3pp. 94418:051.

7811150051 Forwards IE Circular 78-18.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/06. 1p. 94112:163.

7811210457 Ack receipt of 781027 ltr responding to item of concern in 781005 ltr. Will examine action during future inspec.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/14. 1p. 03558:362.

7812060022 Notifies that installation of evacuation sirens in new svc bldg addition per IE Inspec#50-255/78-20 req more work than anticipated & will be completed by 790115.
HOFFMAN, D. P. Consumers Power Co. 78/11/14. 1p. 94415:335.

7812200299 Forwards IE Inspec Rept#50-255/78-21 on 780921-22 & 0926-29 & Notice of Violation.
DAVIS, A. B. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/11/15. 2pp. 94206:307.

--7812200300 Notice of Violation from inspec on 780921-22 & 0926-29.
* Region 3, Chicago, Office of the Director. 78/11/15. 1p. 94206:309.

--7812200302 IE Inspec Rept#50-255/78-21 on 780921-22 during which 2 items of noncompliance were noted: Failure of effluent control instrumentation & reported overexposure of employee.
HUETER, L. J., FISHER, W. L. Region 3, Chicago, Office of the Director. 78/11/14. 11pp. 94206:310.

7812060024 Responds to 781027 NRC ltr re violation noted in Inspec Rept#50-255/78-22. Check w/personnel showed maint activity had been correctly done. Admin procedures will be rev.
HOFFMAN, D. P. Consumers Power Co. 78/11/16. 2pp. 94415:337.

7812060361 Responds to 780521 NRC ltr re violations noted in Inspec Rept#50-255/78-23. Corrective actions: flow transmitter repaired & recalibrated, tagging prog rev to repair instru prior to testing.
HOFFMAN, D. P. Consumers Power Co. 78/11/16. 3pp. 94382:317.

7811300114 Forwards IE Inspec Rept#50-255/78-05 on 780111-13, 18-20, 24-27, 780131-780203 & 780216-17.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/20. 1p. 94072:324.

--7811300117 IE Inspec Rept#50-255/78-05 on 780111-13, 780118-20, 780124-27, 780131-780203 & 780216-17 during which 5 items of noncompliance were noted: physical security organization, access requirements, access controls & testing & maint.
CARLSON, D. M., MAEDA, T. J., NORELIUS, C. E. Region 3, Chicago, Office of the Director. 78/11/20. 17pp. 94072:325.

7812290039 Forwards IE Inspec Rept #30-255/78-24 on 781016-18 during which no items of noncompliance were noted. Major areas inspected incl confirmatory measurements prog.
DAVIS, A.B. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/11/21 2pp 94190.033

7812290063 IE Inspec Rept #30-255/78-24 on 781016-18 during which no items of noncompliance were noted. Major areas inspected incl confirmatory measurements prog.
OREER, R.J., JANUSKA, A.G., ESSIG, T.H. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/11/21 3pp 94190.035

7812050314 Forwards IE Bulletin 78-12A, suppl to IE Bulletin 78-12 W/encl AND. 7811300035
KEPPLER, J.O. Region 3, Chicago, Office of the Director. 78/11/24. 1p 94393.195

7812290017 Forwards IE Inspec Rept #30-255/78-26 on 781024-25 & Notice of Violation
FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/24 2pp. 94207.341

--7812290020 Notice of Violation from inspec on 781024-25
* Region 3, Chicago, Office of the Director. 78/11/24. 1p 94207.343

--7812290025 IE Inspec Rept #30-255/78-26 on 781024-25 during which 1 item of noncompliance was noted: failure to adhere to procedures for training & documentation
LITTLE, W.S., SWANSON, E.R. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/20 4pp. 94207.344

7812150202 Notification of meeting w/CPC on 781220 in Jackson, MI to discuss recent inspec conducted by Performance Appraisal Team at Corp Office & nuc plant.
KEPPLER, J.O. Region 3, Chicago, Office of the Director. 78/12/07. 1p. 94212.323

7812260293 Ack receipt of 781116 ltr informing NRC of steps taken to correct violations noted in 781027 NRC ltr.
FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/12/14 1p 94160.048.

7812260314 Ack receipt of 781114 ltr re 2 month delay in installation of evacuation sirens in the new svc bldg. Compliance w/this commitment will be reviewed during future inspec
DAVIS, A.B. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/12/14 1p. 94160.097

7812280059 Forwards IE Bulletin 78-14
KEPPLER, J.O. Region 3, Chicago, Office of the Director. 78/12/19. 1P. 03554.348

R. Periodic operating reports & related correspondence

7810110119 Forwards Monthly Oper Rept for Sept 1978
ADAMS, W.E. Consumers Power Co. 78/10/04. 1p 94067.336.

--7810110122 Monthly Oper Rept for Sept 1978.
BOLLNOW, D.I. Consumers Power Co. 78/10/04. 4pp. 94067.337.

7810150233 Forwards annual NPDES compliance eval inspec rept dtd 780912
HOFFMAN, D.P. Consumers Power Co. 78/10/04. 1p. 94168.173.

--7810190237 Forwards compliance eval rept conducted 780817. Found subj facil to be in compliance w/conditions of NPDES Permit MI 0001457.
PRZYBYSZ, R. Michigan, State of. 78/09/12. 1p. 94414.215

--7810190240 Annual NPDES compliance evaluation inspec rept Facil found to be in compliance
PRZYBYSZ, R. Michigan, State of. 78/08/23. 9pp. 94168.175.

7810130137 Furnishes long term cooling equip mod & bimonthly status rept.
HOFFMAN, D.P. Consumers Power Co. 78/10/10. 1p. 94003.168.

7811140147 Forwards Monthly Oper Rept for Oct 1978.
ADAMS, W.E. Consumers Power Co. 78/11/08. 1p. 94383.269.

--7811140148 Monthly Oper Rept for Oct 1978.
BOLLNOW, D.I. Consumers Power Co. 78/11/03. 4pp. 94383.270.

781200112 Long Term Equip Mod Bimonthly Status Rept for Sept-Oct 1978. W/encl.
HOFFMAN, D.P. Consumers Power Co. 78/11/15. 1p. 94220.230.

7812110122 Forwards Monthly Oper Rept for Nov 1978
ADAMS, W.E. Consumers Power Co. 78/12/04. 1p 94339.313

--7812110125 Monthly Oper Rept for Nov 1978
BOLLNOW, D.I. Consumers Power Co. 78/12/04. 4pp. 94339.314

B Reportable occurrences, LERs & related correspondence

7810170244 Forwards LER#77-045/OIX-2
HOFFMAN, D.P. Consumers Power Co. 78/09/29 1p 94236.329

--7810170248 LER#77-045/OIX-2 on 780916 initial valve design did not consider failure of T-ring air supplies, which could result in loss of containment integrity. Backup air supplies were installed & retested Aug '78 & are now acceptable
* Consumers Power Co. 78/09/29. 1p. 94236.330.

7810100015 Forwards LER#78-031/OIT-0
HOFFMAN, D.P. Consumers Power Co. 78/10/02 1p 94415.171.

--7810100019 LER#78-031/OIT-0 on 780917. During routine plant oper CRDM could not be withdrawn in order to prevent rod misalignment rod insertion was blocked by removing CRDM control fuses. Caused by shorting of motor windings from water
* Consumers Power Co. 78/10/02 1p.

7811210353 Confirms reportable occurrence. Chemistry samples taken from safety injection tanks B & D on 781015 & 781019 respectively showed boron concentration of each tank to be below Tech Spec limits
LEWIS, J.O., PETITJEAN, H.R. Consumers Power Co. 78/10/25 1p 94484.361

7811210418 Reportable Occurrence on 781025-26, during Tech Spec Test, snubbers 3 & 28 of Tech Spec Table 3.20.1 were found inoper.
LEWIS, J.O., PETITJEAN, H.R. Consumers Power Co. 78/10/27 1p. 94483.150.

7811070210 Forwards LER#78-032/OIT-0.
HOFFMAN, D.P. Consumers Power Co. 78/11/02. 1p 94039.112

--7811070218 LER#78-032/OIT-0 on 781019 during monthly sampling of B1 tanks the boron concentrations in tanks D & D were 1703 & 1655 ppm, respectively. Caused by dilution of B1 tank contents from water left in shutdown cooling lines after shutdown
* Consumers Power Co. 78/11/02 1p. 94039.113

7811070183 Forwards LER#78-033/OIT-0
HOFFMAN, D.P. Consumers Power Co. 78/11/03 1p. 94044.165.

--7811070206 LER#78-033/OIT-0 on 781025: leakage of waste gas decay tank T-68B w/Xe-133 the predominant nuclide thru leaking tank relief valve from elevated pressure. Caused by faulty pressure instru.
* Consumers Power Co. 78/11/03 1p. 94044.186

781140223 Forwards LER#78-034/OIT-0
HOFFMAN, D.P. Consumers Power Co. 78/11/09. 1p. 94400.057.

--781140228 LER#78-034/OIT-0 on 781026: during surveillance of safety-related shock suppressors, snubbers B5 & B28 found inoper. Caused by oil leakage past failed O-ring in both snubbers. O-ring failure due to age & high temp conditions.
* Consumers Power Co. 78/11/09. 1p. 94400.058.

7811210330 Forwards LER#78-035/O3L-0 & #78-036/O3L-0.
HOFFMAN, D.P. Consumers Power Co. 78/11/16 1p. 94404.316.

--7811210335 LER#78-035/O3L-0 on 781020: channel D pressure instru pt-0102D found to be out of calibr. Caused by zero shift. Calibr frequency changed from annually to semi-annually.
* Consumers Power Co. 78/11/16 1p. 94489.311.

--7811210337 LER#78-036/O3L-0 on 781021: during monthly surveillance, hose station found to have 50 foot hose rather than req 75 foot hose. Hose normally stored in that station had apparently been replaced.
* Consumers Power Co. 78/11/16. 1p. 94489.312.

7812090167 Forwards LER#78-037/O3L-0.
HOFFMAN, D.P. Consumers Power Co. 78/11/30. 1p. 94335.118.

--7812050175 LER#78-037/O3L-0 on 781031: during oper, diesel generator #1 was taken out of svc for repair of pre-lube oil pump, during which time charging pump P-55c was also taken out of svc. due to leaking seals. Event is under review.
* Consumers Power Co. 78/11/30 1p. 94335.119.

7812110206 Forwards LER#78-038/03L-0
HOFFMAN, D. P. Consumers Power Co. 78/12/06 1p. 94337.331

--7812110210 LER#78-038/03L-0 on 781106 during constr activities, 2 elec
penetration fire barriers opened to permit cable routing w/o
fire tour being established. Caused by failure of contractor
personnel to comply w/plant procedures
* Consumers Power Co. 78/12/06 1p. 94337.332

7812120095 Forwards LER 78-039/03L-0
HOFFMAN, D. P. Consumers Power Co. 78/12/07 1p. 94274.225

--7812120097 LER 78-039/03L-0 on 781110 during normal operation, steam
generator pH & conductivity exceeded Tech Spec steady-state
limits. Caused by inadvertent addition of morpholine to
condensate sys thru leaking drain valve.
* Consumers Power Co. 78/12/07 1p. 94274.226

7812150261 Forwards LER#78-040/01T-0
HOFFMAN, D. P. Consumers Power Co. 78/12/12 1p. 94213.057

--7812150265 LER#78-040/01T-0 on 781128 volume control tank venting to
leaking waste gas surge tank resulted in gaseous release
Cause under investigation.
* Consumers Power Co. 78/12/12 1p. 94213.058

7812220106 Forwards LER#78-037/03X-1
HOFFMAN, D. P. Consumers Power Co. 78/12/14 1p. 94343.350

--7812220107 LER#78-037/03X-1 on 781031 with diesel generator #1-2 out of
svc, pur supply for alternate changing pumps was shifted to
D/O 1-1 before charging pump P-35c was removed from svc.
Caused by personnel error.
* Consumers Power Co. 78/12/14 1p. 94343.359

7812210230 Forwards LER#78-040/01X-1.
HOFFMAN, D. P. Consumers Power Co. 78/12/18 1p. 94279.161

--7812210232 LER#78-040/01X-1 on 781128 during venting of control tank,
leakage from surge tank resulted in gaseous release w/out 15
day holdup time required by Tech Specs. Cause is still under
investigation. Rept will be submitted by 790105
* Consumers Power Co. 78/12/18 1p. 94279.162

7812290202 Forwards LER#78-041/01T-01.
HOFFMAN, D. P. Consumers Power Co. 78/12/26 1p. 94190.338

--7812290207 LER #78-041/01T-01 on 781214: insufficient HPB1 flow would
reach core during postulated LOCA due to redundant HPB1
header being valved out of svc because of HPB1 pump NPSH
considerations. Mod is being considered.
* Consumers Power Co. 78/12/26 2pp. 94190.339

DOCKET 50-259 BROWNS FERRY NUCLEAR POWER STATION, UNIT 1

7811280187 Forwards LER#78-033/03L-0.
FOX, H. B. Tennessee Valley Authority. 78/11/21 1p. 94013.224

F. Security, medical, emergency & fire protection plans

7810310076 Forwards rev to copies & thru 10 of subj facil security plan
dtd 780926. Revs reflect latest changes in proposed security
sys & procedures. Revs are proprietary (ref 10CFR2.790).
GILLELAND, J. E. Tennessee Valley Authority. 78/10/25 79pp.
94094.315

7811200200 Forwards revs to Physical Security Plan of subj facil re
installation of emergency lighting fixtures. Requests
withholding from pub disclosure per 10CFR2.790.
GILLELAND, J. E. Tennessee Valley Authority. 78/11/15 1p.
94252.036

G. Adjudicatory correspondence

7812260057 Motion of MN Pollution Control Agency is granted & licensee
is ordered to cease & desist from further installation of
any spent fuel storage rack at subj facil pending further
order.
* Atomic Safety and Licensing Board Panel. 78/12/15 3pp.

H. General correspondence

7812210336 Comments on 780927 constituent ltr to Legomarsino re
validity of the Reactor Safety Study, the subj facil fire, &
the operating performance of commercial nuc pur plants
QDBBICK, L. V. Office of the Executive Director for Operations
78/12/12 13pp. 94014.305

J. Insurance & indemnity information

7811090096 Advance premium & standard premium endorsement for 1978
BAROGB, C. R. Nuclear Energy Liability Insurance Association
78/10/11 1p. 94042.141

7812010256 Forwards Policy#MF-66, Endorsement#37 for subj facil. States
advance premium \$94768.89, reserve premium \$71349.36 & return
premium \$3125.17.
FIEDLER, J. Nuclear Insurance Consultants. 78/11/28 2pp.

K. Utility Final Safety Analysis Report (FSAR) & amends

7812200244 Forwards Amend#67 which rev FSAR to reflect current plant
configuration. Amend does not req review & is available in
PDR
GILLELAND, J. E. Tennessee Valley Authority. 78/11/30 2pp.
94159.001

--7812200246 Amend#67 to FSAR, Vols 1-7. This amend does not req review.
It merely rev FSAR to reflect current plant configuration.
* Tennessee Valley Authority 78/11/30. 2900pp.

P. Operating license stage documents & correspondence

7811200080 Requests addl info for review of recirculation pump trip for
use to mitigate Anticipated Transient w/o Scram InPd due
w/in 60 days
LEAR, G. Operating Reactors Branch 3 (Pre 790625) 78/03/15 5pp.
94217.360

781210245 Responds to 780928 request for amend to License DPR-33 to
permit operation at greater power levels. Class III fee is
applicable & should be submitted.
MILLER, W. O. License Fee Management Branch. 78/11/30 1p.
94337.248

7810200131 Notice of issuance of Amend#40 to Facil Operating Lic#
DPR-33, Amend#38 to Facil Operating Lic#DPR-32 & Amend#14 to
Facil Operating Lic#DPR-60, rev Tech Specs for oper of subj
facils. Amends lower low water level setpoint
1PPQ, LTD, T. A. Operating Reactors Branch 3 (Pre 790625). 78/08/02.
2pp. 94411.287

7810130200 Forwards Amend#43 to DPR-33, Safety Evaluation Rept. & Notice
of Issuance
1PPQ, LTD, T. A. Operating Reactors Branch 3 (Pre 790625) 78/09/29.
2pp. 94079.261

--7810130202 Amend#43 to Lic#DPR-33, mod conditions for oper &
surveillance equip.
1PPQ, LTD, T. A. Operating Reactors Branch 3 (Pre 790625) 78/09/29.
2pp. 94079.263

--7810130203 Safety Evaluation Rept supporting Amend#43 to Lic#DPR-33
covering pump failure accident, inadvertent Cold Loop Startup
Transient & monitoring of safety margins for 1 loop oper.
* Operating Reactors Branch 3 (Pre 790625). 78/09/29 4pp.
94079.268

--7810130210 Notice of Issuance of Amend to Facil Oper Lic#DPR-33 to
permit oper at maximum of 50% lic pur level w/1
recirculation loop isolated.
1PPQ, LTD, T. A. Operating Reactors Branch 3 (Pre 790625). 78/09/29.
2pp. 94079.272

7810140035 Notice of Issuance of Amend#43 to Facil Oper Lic# DPR-33
on 780929 re 82% lic pur level w/ one recirculation loop
isolated.
1PPQ, LTD, T. A. Operating Reactors Branch 3 (Pre 790625). 78/09/29.
2pp. 94329.063

7810110107 Responds to 780829 ltr indicating there have been no
incidents of control rods failing to fully insert on demand
at subj facil.
GILLELAND, J. E. Tennessee Valley Authority. 78/10/05 1p.
94066.353

- 7810120065 Forwards replacement pages of proposed Tech Spec changes & of justification for the proposed changes. NEDO-24136, correcting typographical errors of amend request submitted 780908.
GILLELAND, J.E. Tennessee Valley Authority. 78/10/05. 9pp. 94421:184.
- 7810230244 Forwards responses to verbal questions re proposed changes to Tech Specs of subj facil as submitted 780322.
GILLELAND, J.E. Tennessee Valley Authority. 78/10/10. 6pp. 94170:242.
- 7810240153 Forwards addl info re proposed differential pressure control & torus water level Tech Specs for subj facil.
GILLELAND, J.E. Tennessee Valley Authority. 78/10/18. 3pp.
- 7810240144 In response to 780807 ltr to M.B. Hughes, the recommended surveillance of reactor protec sys will continue. Request response date extension to 781213.
GILLELAND, J.E. Tennessee Valley Authority. 78/10/19. 1p.
- 7811130335 Summary of 780914 meeting w/OE representatives & Mark I Owners Group re progress of Long Term Prog w/attendance list & agenda (RD-9-A-Mark I Standards).
ORINES, C. Plant Systems Branch (Pre 791030). 78/10/26. 67pp.
- 7811200406 Forwards results of measurements of radioactive matl in NRC phantom on whole body counter Encl 1 contains actual amount of each radionuclide present, encl 2 gives ratio of measurements to DOE values & encl 3 gives recommendations.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/09. 3pp. 94419:305.
- 7811210288 Notifies util of 781205 seminar in Atlanta to discuss new Model Rod Effluent Tech Specs & encl seminar info sheet, registration form & proposed agenda.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/09. 3pp. 94485:212.
- 7811170113 Reports that NRC will assist Los Alamos Scientific Lab team in performing vital area analysis at subj facil during the week of 781126.
GILLELAND, J.E. Tennessee Valley Authority. 78/11/13. 1p. 94047:145.
- 7811170175 Requests that NRC review indemnity fee invoice #23-79 & #27-79, dtd 781024, which appears to be incorrect & rebill util.
GILLELAND, J.E. Tennessee Valley Authority. 78/11/13. 1p. 94136:029.
- 7811170215 Responds to NRC questions prompted by Gilleland's 780811 ltr requesting Tech Spec changes. Change ensures reconfiguration of SRM's & IRM's & will be placed in non-coincidence trip mode.
HILLIS, L.M. Tennessee Valley Authority. 78/11/13. 1p. 94136:122.
- 7811280361 Licensee's supporting documentation for approval of Recirculation Pump Trip (RPT) for reactor protec sys fails to address most criteria of IEEE 279 or equip qual & adequate surveillance testing Tech Specs. Addl info requested.
LAINAB, O. Plant Systems Branch (Pre 791030). 78/11/14. 2pp. 94397:224.
- 7811300049 Forwards NRC staff paper, Policy Session Item (SECY-78-594) re licensee reg performance evaluation. Three methods for evaluation are: statistical, trend analysis & regional survey method. W/o encl.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/15. 2pp. 94071:051.
- 7812130148 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. W/encl Registration Form & List of Locations.
HILLER, J.R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 3pp.
- 7812180273 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for BWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pwr Plants" (NUREG-0133).
ORINES, B.K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94356:340.
- 7812050003 Forwards Amends #44, 40 & 17 to Lic#DPR-33, DPR-52 & DPR-68 safety eval & Notice of Issuance.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 3pp. 94200:021.
- 7812050009 Amend#44 to Oper Lic Permits average pur range monitor sys to be inoperable in refuel mode; permits less than 3 intermediate range monitors per trip channel to be oper in shutdown mode & clarifies Tech Specs re rod block monitor.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 2pp. 94200:024.
- 7812050017 Amend#40 to Oper Lic Permits average pur range monitor sys to be inoperable in refuel mode; permits less than 3 intermediate range monitors per trip channel to be oper in shutdown mode & clarifies Tech Specs re rod block monitor.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 2pp. 94200:055.
- 7812050022 Amend#17 to Oper Lic Permits average pur range monitor sys to be operable in refuel mode; permits less than 3 intermediate range monitors per trip channel to be oper in shutdown mode & clarifies Tech Specs re rod block monitor.
* Operating Reactors Branch 3 (Pre 790625). 78/11/16. 16pp. 94200:084.
- 7812050023 Concludes amends do not involve significant hazards, health & safety of public will not be endangered by oper in proposed manner & activities in compliance w/rags.
* Office of Nuclear Reactor Regulation, Director. 78/11/16. 9pp. 94200:102.
- 7812050026 Notice of Issuance of Amend#44 to Lic#DPR-33 amend#40 to Lic#DPR-52 & amend#17 to Lic#DPR-68 which revise Tech Specs.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 3pp. 94200:111.
- 7812050012 Forwards Amend#45, 41 & 18 to Facil Oper Lic#DPR-33, DPR-52 & DPR-68 rev Tech Specs as requested in 780803 ltr w/Safety Evaluation & Notice of Issuance.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/18. 2pp. 94200:188.
- 7812050016 Amend#45, 41 & 18 to Facil Oper Lic#DPR-33, DPR-52 & DPR-68 rev Tech Specs to incorp minor changes for leak testing containment isolation & check valves. Amend#18 changes limit of 2000 MWD/t fuel exposure.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/18. 60pp. 94200:190.
- 7812050019 Safety Evaluation Rpt supporting Amend#45, 41 & 18 to Facil Oper Lic#DPR-33, DPR-52 & DPR-68 concluding that proposed changes are acceptable & safety of pub will not be endangered by oper in proposed manner.
* Office of Nuclear Reactor Regulation, Director. 78/11/18. 18pp. 94200:250.
- 7812050020 Notice of Issuance of Amend#45, 41 & 18 to Facil Oper Lic#DPR-33, DPR-52 & DPR-68.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/18. 2pp. 94200:268.
- 7812060062 Requests addl info re reload analysis for oper of subj facil in third fuel cycle incorporating prompt recirculation pump trip feature.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/22. 5pp. 94234:126.
- 7812110029 Discusses possible dangers of LDCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND.
* 7812080207.
IPPOLITO, T. Operating Reactors Branch 2 (Pre 790625). 78/11/29. 8pp. 94408:101.
- 7812080243 Forwards results of MCPR analysis to aid NRC in review of amend request & corrections to amend request. Also forwards OE rpt "Suppl Reload Lic Submittal for Browns Ferry Nuc Plant unit 1: Reload 2."
GILLELAND, J.E. Tennessee Valley Authority. 78/11/30. 11pp. 94232:056.
- 7812080251 "Suppl Reload Licensing Submittal for Browns Ferry Unit 1: Reload 2," Revision 1.
FREMONT, A.H. General Electric Co. NEDO-24136 R01. 78/11/30. 33pp. 94432:198.
- 7812080189 Informs that due to delays, complete response re suppression pool temp transients will be submitted by 780315.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/01. 1p. 94336:123.
- 7812140176 Forwards Oct 1978 Prog Activity Review listing meetings held & provides checklist of activities necessary for the month

780170 Forwards addl info re cycle 3 reload analysis requested in 781122 NRC ltr. Transient analysis in -1 submittal has been performed w/REDY Code
LLELAND, J.E. Tennessee Valley Authority. 78/12/05. 7pp.
1555:136

780141 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify IC of any inaccuracies or enforcement action will result.
WIS, J.O. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94310:354.

7200154 Provides details of mod motor-generator set characteristics postulated M-Q set oper modes for low-pressure coolant injection valve pur supply. Installation will be delayed until end of 2nd refueling outage of Unit 3
LLELAND, J.E. Tennessee Valley Authority. 78/12/13. 4pp.
1420:271.

7200256 Responds to NRC ltr of 780807 re reactor protect sys pur apply at subg facil. TVA does not believe that concerns expressed by NRC are a problem. Further surveillance of the reactor protect sys supplies is unwarranted.
LLELAND, J.E. Tennessee Valley Authority. 78/12/13. 1p.
1206:001.

7260163 Response to 781122 request for addl info needed for reload analysis for cycle 3 oper of facil.
LLELAND, J.E. Tennessee Valley Authority. 78/12/14. 4pp.
9159:232

7270175 Due to incomplete resolution of invac prog for Unit 1, submittal of rev Tech Specs has been postponed until after details of Unit 3 invac inspec prog are resolved.
LLELAND, J.E. Tennessee Valley Authority. 78/11/19. 1p.
94017:341.

7290217 Responds to 781129 NRC ltr re containment purging during normal plant oper & request for info re design of all safety situation signal circuits which incorp a manual feature. Responses will be submitted by 790301.
LLELAND, J.E. Tennessee Valley Authority. 78/12/21. 2pp.
4191:188.

7210367 Forwards addl info re multiple consecutive safety/relief valve Actuation of Mark I containment program.
OSBORN, L.J. General Electric Co. 78/11/13. 3pp.

Inspection reports, IE Bulletins & correspondence

0310060 Ack receipt of 780127 ltr informing NRC of steps taken to correct violations noted during inspec #50-259/77-26, #50-260/77-26 & #50-296/77-26.
LONG, F.J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/03/01. 1p. 94094:129.

810310064 Responds to 780103 NRC ltr re violations noted in Inspec Repts #50-259/77-26, #50-260/77-26 & #50-296/77-26. Corrective actions are exempt from disclosure due to security info contained in response.
LLELAND, J.E. Tennessee Valley Authority. 78/01/27. 1p.
94094:130.

810310069 Forwards IE Inspec Repts #50-259/77-26, #50-260/77-26 & #50-296/77-26 on 771213-16 & w/o Notice of Violation, w/held pursuant to 2.790.
LONG, F.J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/01/03. 2pp. 94094:131.

810310074 IE Inspec Repts #50-259/77-26, #50-260/77-26, #50-296/77-26, on 771213-16 during which 1 item of noncompliance was noted: vital green area gate was open & unattended.
BRADFORD, W.H. Region 2, Atlanta, Office of the Director.
ALDERSON, C.E. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/01/03. 5pp. 94094:133.

8110265 Forwards IE Inspec Repts #50-259/78-15, #50-260/78-16, & #50-196/78-14 on 780626 during which no items of noncompliance were noted.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/08/31. 2pp. 94079:142.

810120004 IE Inspec Repts #50-259/78-15, #50-260/78-16, & #50-296/78-14, on 780626, during which no items of noncompliance were noted. Major areas inspected: whole body counting practices & procedures & test count of NRC phantom.
MILLSAP, W.J. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/08/30. 4pp.

781010283 Forwards IE Inspec Repts #50-259/78-19, #50-260/78-20 & #50-267/78-18 on 780720-21 during which no items of noncompliance were noted.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/01. 2pp. 03556:076.

--781010286 IE Inspec Repts #50-259/78-19 & #50-260/78-20, #50-296/78-18, on 780720-21 during which no items of noncompliance were noted. Major areas inspected included: emergency planning & simulated emergency conditions.
PERROTTI, D.J. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/08/31. 4pp. 94079:144.

781010249 Forwards IE Inspec Repts #50-259/78-20, #50-260/78-21 & #50-296/78-19 on 780807-10, during which no items of noncompliance were noted.
LONG, F.J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/13. 2pp. 94392:160.

--781010280 IE Insp Repts 50-259/78-20, 50-260/78-21 & 50-296/78-19 on 780807-10, during which no items of noncompliance were noted. Major areas inspected: plant operations, reportable occurrences & electrical mods.
SULLIVAN, R.F. Region 2, Atlanta, Office of the Director. 78/09/12. 5pp.

781010056 Forwards IE Inspec Rept 50-259/78-24, 50-260/78-27 & 50-296/78-23.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/09/26. 2pp. 94063:246.

--781010059 IE Inspec Rept 50-259/78-24, 50-260/78-27 & 50-296/78-23 on 780915. Meeting held re TVA security program & managerial changes being implemented.
OILLESPIE, F.P. Region 2, Atlanta, Safeguards Branch. 78/09/22. 3pp. 94063:248.

781023022 Ack receipt of 780922 ltr re corrective steps taken on items of noncompliance found in inspec as notified by NRC ltr of 780825.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/10/06. 1p. 94165:093.

--7810230227 Responds to 780825 NRC ltr re violations noted in Inspec Repts #50-259/78-18, #50-260/78-19, #50-296/78-17.
LLELAND, J.E. Tennessee Valley Authority. 78/09/22. 1p.
94165:094.

--7810230230 Forwards IE Inspec Repts #50-259/78-18, #50-260/78-19, #50-296/78-17 on 780726-28.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/08/25. 3p. 94165:095.

7810230300 Forwards IE Circular #78-17. (See AND: 7810230221, Docket 50-313, 781013)
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/10/13. 1p. 94164:183.

781090198 Ack receipt of 781016 ltr informing NRC of steps taken to correct violations noted during inspec #50-259/78-18, #50-260/78-19 & #50-296/78-17.
KENNA, W.S. Region 2, Atlanta, Office of the Director. 78/10/26. 1p. 94038:260.

--781090204 Responds to 780825 NRC ltr re violations noted in Inspec Repts #50-259/78-18, #50-260/78-19 & #50-296/78-17. Corrective actions are exempt from disclosure IAH 10CFR2.790.
LLELAND, J.E. Tennessee Valley Authority. 78/10/16. 1p.
94038:261.

7812050053 Forwards IE Inspec Repts #50-259/78-21, #50-260/78-23 & #50-296/78-20 on 780828-0901 during which no items of noncompliance were noted.
LONG, F.J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/27. 2pp. 94334:218.

--7812050057 IE Inspec Repts #50-259/78-21, #50-260/78-23 & #50-296/78-20 on 780828-0901 during which no items of noncompliance were noted. Major areas inspected incl: reportable occurrences & followup on IE bulletins & circulars.
SULLIVAN, R.F., OUI2B, J.E. Region 2, Atlanta, Office of the Director. 78/10/26. 10pp. 94334:220.

781130006 Ack receipt of 781010 ltr informing NRC of steps taken to correct violations noted during inspec #50-259/78-17, #50-260/78-18 & #50-296/78-16.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/31. 1p. 94075:276.

--781130013 Responds to 780915 NRC ltr re violations noted in Inspec Repts#50-259/78-17, #50-260/78-18 & #50-296/78-16. Corrective actions: 1B & 3A RHR heat exchangers inspected & test test initiated.
GILLELAND, J.E. Tennessee Valley Authority. 78/10/10. 2pp. 94077:012.

--7811130018 Forwards IE Inspec Repts#50-259/78-17, #50-260/78-18 & #50-296/78-16 on 780725-28 & Notice of Violation.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/15. 2pp. 94075:278.

--7811130022 Notice of Violation from Inspec on 780725-28.
* Region 2, Atlanta, Fuel Facility & Materials Safety Branch.
78/09/15. 1p. 94075:280.

--7811130022 Notice of Violation from Inspec on 780725-28.
* Region 2, Atlanta, Fuel Facility & Materials Safety Branch.
78/09/15. 1p.

--7811130049 IE Inspec Repts#50-259/78-17, #50-260/78-18 & #50-296/78-16 on 780725-28 during which 1 item of noncompliance was noted: release of radioactive effluents above limits.
TROUP, O.L., GIBSON, A.F. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/15. 8pp. 94075:282.

7811130073 Forwards IE Circular 78-18.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/06. 1p. 94112:288.

7812210355 Forwards IE Inspec Repts#50-259/78-26, #50-260/78-29 & #50-296/78-25 during which no items of noncompliance were noted.
KENNA, W.B. Region 2, Atlanta, Safeguards Branch. 78/11/08. 4pp. 94014:353.

--7812210363 IE Inspec Repts#50-259/78-26, #50-260/78-29 & #50-296/78-25 during which no items of noncompliance were noted. Major areas inspected incl: physical security requirements previous items: alarm, access, communications.
SEBECKER, K.H., GILLESPIE, F.P. Region 2, Atlanta, Safeguards Branch. 78/11/08. 4pp. 94014:355.

7812180320 Forwards IE Inspec Repts#50-259/78-25, #50-260/78-28 & #50-296/78-24 on 780925-27 during which no items of noncompliance were noted.
LONG, F.J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/09. 2pp. 94336:285.

--7812180325 IE Inspec Repts#50-259/78-25, #50-260/78-28 & #50-296/78-24 on 780925-27 during which no items of noncompliance were noted. Major areas inspected incl: refueling plant oper & LER & IE Circulars/Bulletins review.
SULLIVAN, R.F., DANCE, H.C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/09. 6pp. 94336:287.

7812130372 Forwards amended response to IE Bulletin#78-09, describing steps taken to effect a good seal between drywell head & containment flange.
GILLELAND, J.E. Tennessee Valley Authority. 78/11/13. 2pp. 94292:125.

7812120031 Forwards reproductions of articles that appeared in June & Aug 1978 editions of Nuc Security Safeguards Newsletter.
KENNA, W.B. Region 2, Atlanta, Safeguards Branch. 78/11/17. 4pp. 94278:068.

7812040369 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
W/encl AND: 7811300055.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/24. 1p. 94127:177.

7812060015 Ack receipt of 781122 ltr informing NRC of steps taken to correct violations noted during Inspec#50-259/78-22, #50-260/78-25 & #50-296/78-21.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/28. 1p. 94418:338.

--7812060021 Responds to 781027 NRC ltr re violations noted in Inspec Repts#50-259/78-22, #50-260/78-25 & #50-296/78-22. Corrective actions: surveillance instruc sched change to reflect 18 month testing req.
GILLELAND, J.E. Tennessee Valley Authority. 78/11/22. 3pp. 94418:339.

--7812060026 Forwards IE Inspec Repts#50-259/78-22, #50-260/78-25 & #50-296/78-21 on 780911-14 & Notice of Violation.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/27. 2pp. 94415:312.

--7812060030 Notice of Violation from Inspec on 780911-14.
* Region 2, Atlanta, Office of the Director. 78/10/27. 1p. 94415:314.

--7812060033 IE Inspec Repts#50-259/78-22, #50-260/78-25 & #50-296/78-21 on 780911-14 during which 1 item of noncompliance was noted: surveillance testing of air cleaning sys.
TROUP, O.L., JACKSON, L.L., GIBSON, A.F. Region 2, Atlanta, Office of the Director. 78/10/27. 9pp. 94415:315.

7812260014 Forwards IE Bulletin 78-14.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/12/19. 2pp. 94131:032.

A. Periodic operating reports & related correspondence

7810160106 Forwards Monthly Oper Rept for Sept 1978.
DEWEASE, J.Q. Tennessee Valley Authority. 78/10/10. 1p. 94004:281.

--7810160109 Monthly Oper Rept for Sept 1978.
DEWEASE, J.Q. Tennessee Valley Authority. 78/09/30. 34pp. 94002:087.

7810170161 Monthly Oper Rept for Sept 1978.
DEWEASE, J.Q. Tennessee Valley Authority. 78/10/31. 31pp. 94236:097.

7810360103 Files fish impingement rept for sub j facil for 3rd quarter 1978.
GILLELAND, J.E. Tennessee Valley Authority. 78/10/19. 14pp. 94035:048.

7811140137 Forwards Monthly Oper Rept for Oct 1978.
DEWEASE, J.Q. Tennessee Valley Authority. 78/11/09. 1p. 94425:275.

--7811140140 Monthly Oper Rept for Oct 1978.
GREEN, D. Tennessee Valley Authority. 78/11/02. 33pp. 94425:276.

7812190161 Forwards Monthly Oper Rept for Nov 1978.
DEWEASE, J.Q. Tennessee Valley Authority. 78/12/02. 1p. 94340:180.

--7812190162 Monthly Oper Rept for Nov 1978.
DEWEASE, J.Q. Tennessee Valley Authority. 78/12/02. 29pp. 94340:181.

B. Reportable occurrences, LERs & related correspondence

781020362 RDW50-259/7827: on 780913"A" recirculation loop flow decreased from 41,000 to 33,000 cpm w/corresponding increase in pump delta F, caused by valve stem separating from valve disc.
DEWEASE, J.Q. Tennessee Valley Authority. 78/09/14. 1p. 94241:136.

7810100036 Forwards LER#78-028/O1T.
FOX, H.B. Tennessee Valley Authority. 78/10/02. 1p. 94033:028.

--7810100040 LER#78-028/O1T-O on 780919: Foxboro Model 610 pur supplies provided under TVA contract 78K11-B680 were not acsismically qualified; qualified pur supplies have been provided & will be installed.
* Tennessee Valley Authority. 78/10/02. 2pp. 94033:029.

7810310183 Forwards LER#78-029/O1T-O.
FOX, H.B. Tennessee Valley Authority. 78/10/25. 1p. 94090:239.

--7810310186 LER#78-029/O3L-O on 781012: cable raceway between Diesel Generator Bldg & Standby Gas Treatment Bldg appeared to have settled 2 inches at Diesel Generator Bldg & expansion joint. Cause unknown but new supports will be installed on raceway.
* Tennessee Valley Authority. 78/10/24. 3pp. 94090:240.

7811140217 Forwards LER#78-030/O3L-O.
FOX, H.B. Tennessee Valley Authority. 78/11/08. 1p. 94400:046.

--7811140221 LER 78-030/O3L-O on 781013: four heat detectors found to be connected to incorrect spray zones. Elec panel 1-25-281A was wired incorrectly causing improper sequencing. Detectors were rewired & returned to oper per Tech Specs.
* Tennessee Valley Authority. 78/11/06. 2pp. 94400:047.

7811140240 Forwards LER#78-031/O3L-O.
FOX, H.B. Tennessee Valley Authority. 78/11/08. 1p. 94400:096.

7811280214 Suppl to 780331 ltr re Reportable Occurrence 50-259/288 & interim measures taken to alleviate potential adverse implant voltage conditions on Unit 3: 4-KV unit boards, the 161-KV sys. & the 4-KV shutdown boards.
FOX, H. S. Tennessee Valley Authority. 78/11/20. 2pp. 02725:358.

7811280191 LER#78-033/03L-0 on 781025: radwater airborne effluent monitor recorder RM-90-252 failed to oper resulting in loss of continuous effluent monitoring. Caused by broken input signal lead.
* Tennessee Valley Authority. 78/11/15. 2pp. 94013:225.

7811280205 Forwards LER#78-032/03L-0.
FOX, H. S. Tennessee Valley Authority. 78/11/22. 1p. 94013:265.

--7811280207 LER#78-032/03L-0 on 781022: offgas sampling Pump A malfunctioned & pump B motor would not start. Caused by vanes sticking on pump A, model MBQ1 Mfg by Metal Bellows Corp. Bearings & centrifugal switch failed on pump B motor.
* Tennessee Valley Authority. 78/11/15. 2pp. 94013:266.

78112270265 Forwards LER#78-034/01T-0.
FOX, H. S. Tennessee Valley Authority. 78/12/19. 1p. 94232:036.

--78112270269 LER#78-034/01T-0 on 781205: during refueling outage & MBIV's exceeded leakage limits. Caused by degradation of valve seating surfaces thru normal oper.
* Tennessee Valley Authority. 78/12/18. 2pp. 94232:037.

DOCKET 50-260 BROWN FERRY NUCLEAR POWER STATION, UNIT 2

F. Security, medical, emergency & fire protection plans

7810310076 Forwards rev to copies & thru 10 of subj facil security plan dtd 780926. Revs reflect latest changes in proposed security sys & procedures. Revs are proprietary (ref 10CFR2.790).
GILLELAND, J. E. Tennessee Valley Authority. 78/10/28. 79pp. 94094:319.

7811200200 Forwards revs to Physical Security Plan of subj facil re installation of emergency lighting fixtures. Requests withholding from pub disclosure per 10CFR2.790.
GILLELAND, J. E. Tennessee Valley Authority. 78/11/15. 1p. 94232:036.

H. General correspondence

781210336 Comments on 780927 constituent ltr to Lagomarsino re validity of the Reactor Safety Study, the subj facil fire, & the operating performance of commercial nuc pow plants.
OGBURN, L. V. Office of the Executive Director for Operations. 78/12/12. 13pp. 94014:308.

J. Insurance & indemnity information

7812010256 Forwards Policy#MF-66, Endorsement#37 for subj facil. States advance premium \$74768.89, reserve premium \$71349.36 & return premium \$3125.17.
FIEDLER, J. Nuclear Insurance Consultants. 78/11/28. 2pp.

7811090096 Advance premium & standard premium endorsement for 1978.
BARDES, C. R. Nuclear Energy Liability Insurance Association. 78/10/11. 1p. 94042:141.

K. Utility Final Safety Analysis Report (FSAR) & amends

7812200244 Forwards Amend#67 which rev FSAR to reflect current plant configuration. Amend does not req review & is available in PDR.
GILLELAND, J. E. Tennessee Valley Authority. 78/11/30. 2pp. 94109:001.

--7812200246 Amend#67 to FSAR, Vols 1-7. This amend does not req review, as it merely rev FSAR to reflect current plant configuration.
* Tennessee Valley Authority. 78/11/30. 2900pp.

GILLELAND, J. E. Tennessee Valley Authority. 78/11/13. 1p. 94047:149.

7811170175 Requests that NRC review indemnity fee invoice#23-79 & #27-79, dtd 781024, which appears to be incorrect & rebill util.
GILLELAND, J. E. Tennessee Valley Authority. 78/11/13. 1p. 94136:029.

7811170215 Responds to NRC questions prompted by Gilleland's 780811 ltr requesting Tech Spec changes. Change ensures reconfiguration of BRM's & IRM's & will be placed in non-coincidence trip mode.
MILLS, L. M. Tennessee Valley Authority. 78/11/13. 1p. 94136:122.

7811200080 Requests addl info for review of recirculation pump trip for use to mitigate Anticipated Transient w/o Brrm. Info due w/in 60 days.
LEAR, Q. Operating Reactors Branch 3 (Pre 790625). 78/09/15. 8pp. 94217:360.

7810200131 Notice of issuance of Amend#40 to Facil Operating Lic# DPR-03, Amend#38 to Facil Operating Lic#DPR-02 & Amend#14 to Facil Operating Lic#DPR-68; rev Tech Specs for oper of subj facil. Amends lower low water level setpoint.
IPPLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/08/02. 2pp. 94411:287.

781010107 Responds to 780829 ltr indicating there have been no incidents of control rods failing to fully insert on demand at subj facil.
GILLELAND, J. E. Tennessee Valley Authority. 78/10/05. 1p. 94066:393.

7810230244 Forwards responses to verbal questions re proposed changes to Tech Specs of subj facil as submitted 780322.
GILLELAND, J. E. Tennessee Valley Authority. 78/10/10. 6pp. 94170:242.

7810240153 Forwards addl info re proposed differential pressure controls & torus water level Tech Specs for subj facil.
GILLELAND, J. E. Tennessee Valley Authority. 78/10/18. 3pp.

7810240144 In response to 780807 ltr to N. D. Hughes, the recommended surveillance of reactor protect sys will continue. Request response date extension to 781215.
GILLELAND, J. E. Tennessee Valley Authority. 78/10/19. 1p.

7810250082 Forwards summary rept of refueling test prog conducted after subj facil spring 1978 outage.
GILLELAND, J. E. Tennessee Valley Authority. 78/10/19. 1p.

--7810250085 "Summary Rept: Refueling Test Program." Summarizes tests performed as of 780810.
DEWEASE, J. Q. Tennessee Valley Authority. 78/10/19. 8pp.

7811130335 Summary of 780914 meeting w/DE representatives & Mark 1 Owners Group re progress of Long Term Prog w/attendance list & agenda (RD-9-A-Mark 1 Standards).
GRIFES, C. Plant Systems Branch (Pre 791030). 78/10/26. 67pp.

7811150128 Forwards "Reactor Containment Bldg Integrated Leak Rate Test."
GILLELAND, J. E. Tennessee Valley Authority. 78/11/07. 1p. 94242:362.

--7811150129 "Reactor Bldg Containment Integrated Leak Rate Test" on 780613-18. Outlines objectives, principal events & special equip used in the ILRT. Concludes that accurate results can be obtained while significantly reducing test time.
GILLELAND, J. E. Tennessee Valley Authority. 78/11/07. 71pp. 94226:012.

7811200406 Forwards results of measurements of radioactive matl in NRC phantom on whole body counter. Encl 1 contains actual amount of each radionuclide present, encl 2 gives ratio of measurements to DOE values & encl 3 gives recommendations.
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/09. 3pp. 94419:303.

7811210286 Notifies util of 781205 seminar in Atlanta to discuss new Model Rod Effluent Tech Specs & encl seminar info sheet, registration form & proposed agenda.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/09. 3pp. 94485:212.

7812150148 Notice of workshops re implementation of training & qual requirements contained in Append B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. W/encl Registration Form & List of Locations. MILLER, J.R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/13. 5pp

7812180273 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for BWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133). DRIMES, B.K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15 4pp. 94356:340.

7812050003 Forwards Amends#44, 40 & 17 to Lic#DPR-33, DPR-52 & DPR-68 safety eval & Notice of Issuance. IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 3pp. 94200:021.

--7812050009 Amend#44 to Oper Lic. Permits average pur range monitor sys to be inoperable in refuel mode; permits less than 3 intermediate range monitors per trip channel to be oper in shutdown mode & clarifies Tech Specs re: rod block monitor. IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 2pp. 94200:024.

--7812050017 Amend#40 to Oper Lic. Permits average pur range monitor sys to be inoperable in refuel mode; permits less than 3 intermediate range monitors per trip channel to be oper in shutdown mode & clarifies Tech Specs re: rod block monitor. IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 2pp. 94200:053.

--7812050022 Amend#17 to Oper Lic. Permits average pur range monitor sys to be operable in refuel mode; permits less than 3 intermediate range monitors per trip channel to be oper in shutdown mode & clarifies Tech Specs re: rod block monitor. * Operating Reactors Branch 3 (Pre 790625). 78/11/16. 16pp. 94200:084.

--7812050023 Concludes amends do not involve significant hazards; health & safety of public will not be endangered by oper in proposed manner & activities in compliance w/regs. * Office of Nuclear Reactor Regulation, Director. 78/11/16. 9pp. 94200:102.

--7812050026 Notice of Issuance of Amend#44 to Lic#DPR-33 amend#40 to Lic #DPR-52 & amend#17 to Lic#DPR-68 which revise Tech Specs. IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 3pp. 94200:111.

7812050012 Forwards Amend#45, 41 & 18 to Facil Oper Lic#DPR-33, DPR-52 & DPR-68 rev Tech Specs as requested in 780803 ltr w/Safety Evaluation & Notice of Issuance. IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 2pp. 94200:189.

--7812050016 Amend#45, 41 & 18 to Facil Oper Lic#DPR-33, DPR-52 & DPR-68 rev Tech Specs to incorp minor changes for leak testing containment isolation & check valves. Amend#18 changes limit of 2000 MWD/t fuel exposure. IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 6pp. 94200:190.

--7812050019 Safety Evaluation Rpt supporting Amend#45, 41 & 18 to Facil Oper Lic#DPR-33, DPR-52 & DPR-68 concluding that proposed changes are acceptable & safety of pub will not be endangered by oper in proposed manner. * Office of Nuclear Reactor Regulation, Director. 78/11/16. 18pp. 94200:250.

--7812050020 Notice of Issuance of Amend#45, 41 & 18 to Facil Oper Lic #DPR-33, DPR-52 & DPR-68. IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 2pp. 94200:268.

7812110029 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND: 07812080207 IPPOLITO, T. Operating Reactors Branch 2 (Pre 790625). 78/11/29. 8pp. 94408:101.

7812050189 Informs that due to delays, complete response re suppression pool temp transients will be submitted by 780315. GILLELAND, J.E. Tennessee Valley Authority. 78/12/01 ip. 94335:123

7812140176 Forwards Oct 1978 Prog Activity Review listing meetings held & providing task-by-task activity summary for the month. BOBON, L.J. General Electric Co. 78/12/04 11pp.

7812280141 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result. DAVIS, J.G. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94310:354.

7812200154 Provides details of mod motor-generator set characteristics w/postulated M-G set oper modes for low-pressure coolant injection valve pur supply. Installation will be delayed until end of 2nd refueling outage of Unit 3. GILLELAND, J.E. Tennessee Valley Authority. 78/12/13. 4pp. 94420:271.

7812200256 Responds to NRC ltr of 780807 re reactor protec sys pur supply at subj facil. TVA does not believe that concerns expressed by NRC are a problem. Further surveillance of the reactor protec sys supplies is unwarranted. GILLELAND, J.E. Tennessee Valley Authority. 78/12/13. ip. 94206:001.

7812290217 Responds to 781129 NRC ltr re containment purging during normal plant oper & request for info re design of all safety actuation signal circuits which incorp a manual feature. Responses will be submitted by 790301. GILLELAND, J.E. Tennessee Valley Authority. 78/12/21. 2pp. 94191:188.

7811210367 Forwards addl info re multiple consecutive safety/relief valve actuation of Mark I containment program. BOBON, L.J. General Electric Co. 78/11/13. 3pp.

0. Inspection reports, IE Bulletins & correspondence

7811090198 Ack receipt of 781016 ltr informing NRC of steps taken to correct violations noted during inspec#50-259/78-18, #50-260/78-19 & #50-296/78-17. KENNA, W.B. Region 2, Atlanta, Office of the Director. 78/10/26. ip. 94038:260.

--7811090204 Responds to 780825 NRC ltr re violations noted in Inspec Repts#50-259/78-18, #50-260/78-19 & #50-296/78-17. Corrective actions are exempt from disclosure IAW 10CFR2.790. GILLELAND, J.E. Tennessee Valley Authority. 78/10/16. ip. 94038:261.

7811130006 Ack receipt of 781010 ltr informing NRC of steps taken to correct violations noted during inspec#50-259/78-17, #50-260/78-18 & #50-296/78-16. SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/31. ip. 94075:275.

--7811130013 Responds to 780915 NRC ltr re violations noted in Inspec Repts#50-259/78-17, #50-260/78-18 & #50-296/78-16. Corrective actions: 18 & 3A RHR heat exchangers inspected & tank test initiated. GILLELAND, J.E. Tennessee Valley Authority. 78/10/10. 2pp. 94077:012.

--7811130018 Forwards IE Inspec Repts#50-259/78-17, #50-260/78-18 & #50-296/78-16 on 780725-28 & Notice of Violation. SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/15. 3pp. 94075:278.

--7811130022 Notice of Violation from inspec on 780725-28. * Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/15. ip. 94075:280.

--7811130049 IE Inspec Repts#50-259/78-17, #50-260/78-18 & #50-296/78-16 on 780725-28 during which 1 item of noncompliance was noted: release of radioactive effluents above limits. TROUP, O.L., GIBBON, A.F. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/15. 8pp. 94075:282.

230227 Forwards Reproduction of articles that appeared in June and July 1978 editions of Nuc Security Safeguards Newsletter.
WNA, W.B. Region 2, Atlanta, Safeguards Branch. 78/11/17. 4pp.
78/8:068

310060 Act receipt of 780127 ltr informing NRC of steps taken to correct violations noted during Inspect #30-259/77-26.
3-260/77-26 & #30-296/77-26
LONG, F.J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/03/01. 1p. 94094:129.

0310064 Responds to 780103 NRC ltr re violations noted in Inspect Repts #30-259/77-26, #30-260/77-26 & #30-296/77-26.
Corrective actions are exempt from disclosure due to security info contained in response.
LILLELAND, J.E. Tennessee Valley Authority. 78/01/27. 1p.
94094:130.

0310069 Forwards IE Inspect Repts #30-259/77-26, #30-260/77-26 & #30-296/77-26 on 771213-16 & w/o Notice of Violation.
Held pursuant to 2.790
LONG, F.J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/01/03. 2pp. 94094:131.

0310074 IE Inspect Repts #30-259/77-26, #30-260/77-26, #30-296/77-26, on 771213-16 during which 1 item of noncompliance was noted: local green area gate was open & unattended.
RADFORD, W.H. Region 2, Atlanta, Office of the Director.
LDERSON, C.E. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/01/03. 5pp. 94094:133.

10265 Forwards IE Inspect Repts #30-259/78-15, #30-260/78-15, & #30-278-14 on 780626 during which no items of noncompliance were noted.
HERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/08/31. 2pp. 94079:142.

0120004 IE Inspect Repts #30-259/78-15, #30-260/78-16, & #30-296/78-14, on 780626, during which no items of noncompliance were noted.
Major areas inspected: whole body counting practices & procedures & test count of NRC phantom.
LILBAP, W.J. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/08/30. 4pp.

10283 Forwards IE Inspect Repts #30-259/78-19, #30-260/78-20 & #30-261-18 on 780720-21 during which no items of noncompliance were noted.
HERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/01. 2pp. 03556:076.

3110286 IE Inspect Repts #30-259/78-19, #30-260/78-20, #30-296/78-18, on 780720-21 during which no items of noncompliance were noted. Major areas inspected included: emergency planning & simulated emergency conditions.
BROTTI, D.J. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/08/31. 4pp. 94079:144.

10269 Forwards IE Inspect Repts #30-259/78-20, #30-260/78-21 & #30-296/78-19 on 780807-10, during which no items of noncompliance were noted.
LONG, F.J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/13. 2pp. 94392:160.

1010280 IE Inspect Repts #30-259/78-20, #30-260/78-21 & #30-296/78-19 on 780807-10, during which no items of noncompliance were noted. Major areas inspected: plant operations, reportable occurrences & electrical mods.
LILLIVAN, R.F. Region 2, Atlanta, Office of the Director.
10/09/12. 3pp.

0056 Forwards IE Inspect Rept #30-259/78-24, #30-260/78-27 & #30-296/78-23.
LILLIVAN, R.F. Region 2, Atlanta, Office of the Director. 78/09/26. 94063:246.

110059 IE Inspect Rept #30-259/78-24, #30-260/78-27 & #30-296/78-23 on 0915. Meeting held re TVA security program & managerial changes being implemented.
LILESPIE, F.P. Region 2, Atlanta, Safeguards Branch. 78/09/22. 1p. 94063:248.

0226 Act receipt of 780922 ltr re corrective steps taken on items of noncompliance found in inspect as notified by NRC on 780825.
LILLIVAN, R.F. Region 2, Atlanta, Office of the Director. 78/10/06. 94168:093.

230227 Responds to 780825 NRC ltr re violations noted in Inspect Repts #30-259/78-18, #30-260/78-19, #30-296/78-17.
LILLELAND, J.E. Tennessee Valley Authority. 78/09/22. 1p. 168:094.

7810230230 Forwards IE Inspect Repts #30-259/78-18, #30-260/78-17, #30-296/78-23, #30-260/78-27 & #30-296/78-23.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/08/25. 3p. 94165:095.

7810230300 Forwards IE Circular #78-17 (See AND 7810230221, Docket 30-313, 781013).
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/10/13. 1p. 94164:183.

7810240322 Forwards IE Inspect Rept #30-260/78-24 on 78091-22 during which no items of noncompliance were noted.
KENNA, W.B. Region 2, Atlanta, Safeguards Branch. 78/10/23. 2pp. 94121:347.

--7812040323 IE Inspect Rept #30-260/78-24 on 780920-22 during which no items of noncompliance were noted. Major areas inspected included: facility organization, shipping & receiving, storage & internal control, inventory, records & reports.
HODGES, J.W. Region 2, Atlanta, Safeguards Branch. 78/10/23. 3pp. 94121:349.

7812050053 Forwards IE Inspect Repts #30-259/78-21, #30-260/78-23 & #30-296/78-20 on 780828-0901 during which no items of noncompliance were noted.
LONG, F.J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/27. 2pp. 94334:218.

--7812050057 IE Inspect Repts #30-259/78-21, #30-260/78-23 & #30-296/78-20 on 780828-0901 during which no items of noncompliance were noted. Major areas inspected included: reportable occurrences & followup on IE bulletins & circulars.
SULLIVAN, R.F. DUZT, J.E. Region 2, Atlanta, Office of the Director. 78/10/26. 10pp. 94334:220.

781150073 Forwards IE Circular 78-18.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/06. 1p.

7812210355 Forwards IE Inspect Repts #30-259/78-26, #30-260/78-29 & #30-296/78-25 during which no items of noncompliance were noted.
KENNA, W.B. Region 2, Atlanta, Safeguards Branch. 78/11/08. 2pp. 94014:353.

--7812210363 IE Inspect Repts #30-259/78-26, #30-260/78-29 & #30-296/78-25 during which no items of noncompliance were noted. Major areas inspected included: physical security requirements previous items: alarm, access, communications.
BESSECKER, W.H., GILLESPIE, F.P. Region 2, Atlanta, Safeguards Branch. 78/11/08. 4pp. 94014:355.

7812180325 IE Inspect Repts #30-259/78-25, #30-260/78-28 & #30-296/78-24 on 780925-27 during which no items of noncompliance were noted. Major areas inspected included: refueling plant oper & LER & IE Circulars/Bulletins review.
SULLIVAN, R.F., DANCE, H.C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/09. 6pp. 94356:287.

7812130372 Forwards amended response to IE Bulletin #78-09, describing steps taken to effect a good seal between drywell head & containment flange.
LILLELAND, J.E. Tennessee Valley Authority. 78/11/13. 2pp. 94292:125.

7811220087 Act receipt of 781102 ltr informing NRC of steps taken to correct violations noted during Inspect #30-260/78-22.
LONG, F.J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/15. 1p. 94273:269.

--7811220091 Responds to 781010 NRC ltr re violation noted in Inspect Rept #30-260/78-22. Corrective actions: Tech Spec change to be requested re calibr requirement & all changes for refueling test instr to be properly documented.
LILLELAND, J.E. Tennessee Valley Authority. 78/11/02. 1p. 94273:270.

--7811220093 Forwards IE Inspect Rept #30-260/78-22 on 780815-18 & Notice of Violation.
LONG, F.J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/10. 2pp. 94273:271.

--7811220095 Notice of Violation from inspect on 780815-18.
Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/10. 1p. 94273:275.

--7811220099 IE Inspec Rept#50-260/78-22 on 780815-18 during which 2 items of noncompliance were noted: failure to adhere to all qual requirements for QA records & to all requirements for surveillance instru content
VDOY-LOWELL, R., MARTIN, R D. Region 2, Atlanta, Reactor Operations Nuclear Support Branch 78/10/10. 6pp. 94273:276

7812040369 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
Wencil AND. 7811300055.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/24 1p. 94127:177.

7812060015 Act receipt of 781122 ltr informing NRC of steps taken to correct violations noted during inspec#50-259/78-22.
#50-260/78-25 & #50-296/78-21
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/28. 1p 94418:338.

--7812060021 Responds to 781027 NRC ltr re violations noted in Inspec Rept#50-259/78-22, #50-260/78-25 & #50-296/78-22. Corrective actions, surveillance instruc schd change to reflect 18 month testing req.
OILLELAND, J.E. Tennessee Valley Authority. 78/11/22. 3pp. 94418:339.

--7812060026 Forwards IE Inspec Rept#50-259/78-22, #50-260/78-25 & #50-296/78-21 on 780911-14 & Notice of Violation.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/27. 2pp. 94415:312

--7812060030 Notice of Violation from inspec on 780911-14.
* Region 2, Atlanta, Office of the Director. 78/10/27. 1p 94415:314.

--7812060033 IE Inspec Rept#50-259/78-22, #50-260/78-25 & #50-296/78-21 on 780911-14 during which 1 item of noncompliance was noted: surveillance testing of air cleaning sys
TROUP, O.L., JACKSON, L.L., GIBSON, A.F. Region 2, Atlanta, Office of the Director. 78/10/27. 9pp. 94415:315.

7812280014 Forwards IE Bulletin 78-14.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/12/19. 2pp. 94131:032.

R. Periodic operating reports & related correspondence

7810160106 Forwards Monthly Oper Rept for Sept 1978.
DEWEASE, J.G. Tennessee Valley Authority. 78/10/10. 1p. 94004:281.

--7810160109 Monthly Oper Rept for Sept 1978.
DEWEASE, J.G. Tennessee Valley Authority. 78/09/30. 34pp. 94002:087.

7810170161 Monthly Oper Rept for Sept 1978.
DEWEASE, J.G. Tennessee Valley Authority. 78/10/31. 31pp. 94236:097.

7810300103 Files fish impingement rept for subj facil for 3rd quarter 1978
OILLELAND, J.E. Tennessee Valley Authority. 78/10/19. 14pp. 94035:048

7811140137 Forwards Monthly Oper Rept for Oct 1978.
DEWEASE, J.G. Tennessee Valley Authority. 78/11/09. 1p. 94425:275.

--7811140140 Monthly Oper Rept for Oct 1978.
GREEN, D. Tennessee Valley Authority. 78/11/02. 33pp. 94425:276.

7812190161 Forwards Monthly Oper Rept for Nov 1978.
DEWEASE, J.G. Tennessee Valley Authority. 78/12/02. 1p. 94340:180.

--7812190162 Monthly Oper Rept for Nov 1978.
DEWEASE, J.G. Tennessee Valley Authority. 78/12/02. 29pp. 94340:181.

S. Reportable occurrences, LERs & related correspondence

7810290035 Reportable Occurrence #50-260/7816 on 780930: During routine inspec of drywell several pipe cracks were found, probably caused by vibration. (Revision#1)
DEWEASE, J.G. Tennessee Valley Authority. 78/10/05. 2pp.

7810180138 Forwards LER#78-016/OIT-0.
FOX, H.B.

--7810180142 LER#78-016/OIT-0 on 780930: discovered 1 inch instru line to Pdt-68-B2 & a 3/4 inch bonnet vent line on FCV-68-1 were cracked & leaking. Exact cause unknown.
* Tennessee Valley Authority. 78/10/13. 1p. 94368:314.

7810300168 Forwards LER#78-017/O3L-0.
FOX, H.B. Tennessee Valley Authority. 78/10/25. 1p. 94034:131.

--7810300171 LER 78-017/O3L-0 on 781004: drywell oxygen concentration was not reduced to 4% w/in 24-hour period after placing reactor in run mode due to personnel safety considerations during repair of inner drywell air lock repair.
* Tennessee Valley Authority. 78/10/25. 2pp. 94034:132.

7812070264 Notification of 781116 abnormal occurrence. Setpoint on main steam line radiation monitor nonconservative. Caused by reduced radiation level background in main steam line tunnel due to Cycle 2 reload.
DEWEASE, J.G. Tennessee Valley Authority. 78/11/17. 1p. 03555:018.

7811280201 Forwards LER#78-019/OIT-0
FOX, H.B. Tennessee Valley Authority. 78/11/24. 1p. 94013:259.

--7811280203 LER#78-019/OIT-0 on 781114: during normal oper, main steam line radiat monitors RM-90-135, -136, -137 & -138 were found less conservative than allowed by T.B.3.1.A. Caused by decrease in background from cycle 1 to cycle 2 fuel.
* Tennessee Valley Authority. 78/11/24. 2pp. 94013:260.

7812080101 Forwards LER#78-018/O3L-0.
FOX, H.B. Tennessee Valley Authority. 78/12/04. 1p. 94107:289.

--7812080103 LER#78-018/O3L-0 on 781103: reactor pressure switch PS-68-96, switch 1 failed to operate during surveillance testing.
Switch exercised & adjusted.
* Tennessee Valley Authority. 78/12/04. 2pp. 94107:290.

7812120174 Forwards LER 78-020/O3L-0.
FOX, H.B. Tennessee Valley Authority. 78/12/07. 1p. 94276:009.

--7812120177 LER#78-020/O3L-0 on 781110: during normal pur oper, Reactor & Turbine Bldg & Refueling Zone Ventilation Exhaust Monitor, RM-90-250 became inoperable. Instr & its sensing line dried out & returned to svc.
* Tennessee Valley Authority. 78/12/07. 2pp. 94276:010.

7812290221 Forwards LER#78-021/O3L-0.
FOX, H.B. Tennessee Valley Authority. 78/12/21. 1p. 94191:190.

--7812290224 LER#78-021/O3L-0 on 781201: suppression chamber hydrogen monitoring sys failed to meet Tech Spec requirements. Caused by low signal output of torus hydrogen sensor.
* Tennessee Valley Authority. 78/12/20. 2pp. 94191:191.

DOCKET 50-261 H. B. ROBINSON PLANT, UNIT 2

F. Security, medical, emergency & fire protection plans

7810270147 Responds to 780313 request for addl info on Fire Protec. Requests delay in responding to Item 8(Lube Oil Spill Control Sys for Reactor Coolant Pumps) until 781201 due to late arrival of design info.
UTLEY, E.E. Carolina Power & Light Co. 78/10/20. 1p. 94057:007.

7811270136 Forwards NRC staff position & request for addl info re subj facil Emergency Plan. Requests submission of rev plan w/in 90 days.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/09. 5pp. 94271:309.

7812110133 Forwards addl info re fire protec prog for subj facil in response to Items#8, #12 of NRC 780313 ltr. Info covers lube oil spill control sys for reactor coolant pumps & flame retardant coatings.
UTLEY, E.E. Carolina Power & Light Co. 78/12/05. 4pp. 94339:357.

G. Adjudicatory correspondence

7812140061 NRC Staff is directed to furnish ASLB & Other parties in proc w/current status of final suppl to SER. Staff is also directed to furnish Bd & all parties w/detailed status rept of any dev's in case once each month.
WOLF, J.F. Atomic Safety and Licensing Board Panel. 78/12/05. 2pp. 94127:326.

J Insurance & indemnity information

7812190118 Forwards ltr of 781214 to NRC advising that funds have been transferred to NRC in amount of \$26,400 to cover indemnity fee for Lic#DPR-23 Requests refund resulting from reduction of indemnity fee.
LANCASTER, J. L. Carolina Power & Light Co 78/12/14 1p.
94376 280

--7812190123 Advises that funds have been transferred to NRC in amount of \$26,400 to cover indemnity fee for Lic#DPR-23 NRC invoice not encl
LANCASTER, J. L. Carolina Power & Light Co 78/12/14 1p.
94376 281

P Operating license stage documents & correspondence

7810110108 Requests submittal date for Flame Retardant Coatings be extended to 781201 in reply to 780313 ltr
UTLEY, E. E. Carolina Power & Light Co. 78/10/06 1p. 94066:354.

7810310223 Forwards Amend 34 to License DPR-23, safety evaluation & notice of issuance.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/06.
2p. 94091:001.

--7810310237 Amend#34 to Lic #DPR-23, changing Tech Spec re containment spray additive valves & refueling water storage tank outlet valve test requirements.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625) 78/10/06.
4pp. 94091:003.

--7810310241 Safety Evaluation supporting Amend 34 to License DPR-23
* Operating Reactors Branch 1 (Pre 790625) 78/10/06 3pp.
94091:007.

--7810310245 Notice of Issuance of Amend 34 to License DPR-23.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625) 78/10/06
3pp. 94091:010

7810200196 Forwards Amend#33 to Facil Oper Lic#DPR-23 for subj Facil revising tech specs as requested in 780813 ltr w/Notice of Issuance.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/10.
3pp.

--7810200199 Amend #33 to Facil Oper Lic#DPR-23 revising tech specs re CPI organizational changes. W/encl release of tech specs
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/10.
247pp.

--7810200201 Notice of Issuance of Amend#33 to Facil Oper Lic#DPR-23.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/10.
3pp.

781010273 Notifies util of 781205 seminar in Atlanta to discuss new Model Rod Effluent Tech Specs & encl seminar info sheet, registration form, & proposed agenda.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director 78/11/09.
3pp. 94485:162.

7810200406 Forwards NRC staff paper, policy session item (SECY-78-854) releases reg performance eval. Three methods for eval are: statistical, trend analysis & regional survey method. W/o encl.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/15.
3pp. 94180:099.

781010033 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. W/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 3pp. 94133:014.

7812190023 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
ORINES, B. M. Assistant Director for Engineers & Projects (Pre 790625). 78/11/19. 6pp. 94214:306.

7812130064 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl ANO.
7812080207.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/28.
6pp. 94210:145.

7812280114 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. O. Office of Inspection & Enforcement. Office of the Director 78/12/06 2pp. 94133:228

G Inspection reports, IE Bulletins & correspondence

7810260063 Forwards IE Inspec Rept#50-261/78-20 on 780807-10 during which no items of noncompliance were noted
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch 78/09/15 2pp. 94392:320

7810260067 IE Inspec Rept#50-261/78-20 on 780807-10 during which no items of noncompliance were noted. Major areas inspected included: radiological environ monitoring prog, mgt controls & Inspec of environ monitoring stations.
PEERY, W. W. HUFMAN, J. W. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/12 4pp. 94392:316

7810310138 Forwards IE Inspec Rept#50-261/78-19 on 780807-10 during which no items of noncompliance were noted
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch 78/09/19. 2pp. 94090:160

--7810310144 IE Inspec Rept#50-261/78-19 on 780807-10 during which no items of noncompliance were noted. Major areas inspected included: training prog for nonlicensed personnel & operator manual prog
KELLOGG, P. J., BRADFORD, W. H. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/19. 3pp. 94090:162

781080225 Forwards IE Inspec Rept#50-261/78-21 on 780822-25 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch 78/09/27. 3pp. 94406:187.

--781080229 IE Inspec Rept#50-261/78-21 on 780822-25 during which no items of noncompliance were noted.
MCHEMRY, T. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch 78/09/26 3pp. 94406:191

781010226 Ack receipt of 780913 ltr informing NRC of steps taken to correct violations noted during Inspec#50-261/78-15.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/28 1p. 93555:287

--781010229 Responds to 780817 NRC ltr re violation noted in Inspec Rept#50-261/78-15. Corrective actions interlock sys tested when modification completed. Checkout procedure to be implemented.
FARR, B. J. Carolina Power & Light Co. 78/09/13 2pp. 94062:169.

--781010231 Forwards IE Inspec Repts#50-261/78-15 on 780705-07 & Notice of Violation
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch 78/08/17 2pp. 94062:171.

--781010233 Notice of Violation from Inspec on 780705-07
* Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/17 1p. 94062:173

--781010236 IE Inspec Repts#50-261/78-15 on 780705-07 during which item of noncompliance was noted: no tests of interlock sys since mod.
MARTIN, R. D., BURNETT, P. T. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/15 4pp. 94062:174.

7810230013 Ack receipt of 781002 ltr informing NRC of steps taken to correct violations noted during Inspec#50-261/78-17.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/11. 1p. 94169:193.

--7810230020 Responds to 780908 NRC ltr re violations noted in Inspec Rept#50-261/78-17. Corrective actions: review of periodic tests & operating procedure checklists & prog to insure compliance w/latest rev will be dev by 781231.
BANKS, H. R. Carolina Power & Light Co 78/10/11 2pp. 94169:194.

--7810230023 Forwards IE Inspec Rept#50-261/78-17 on 780801-04 & assoc Notice of Violation
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/08. 2pp. 94169:196.

--7810230025 Notice of Violation from Inspec on 780801-04.
* Region 2, Atlanta, Office of the Director. 78/09/08. 1p. 94169:198.

--781023027 IE Inspec Rept#50-261/78-17 on 780801-04 during which 1 item of noncompliance was noted: failure to dist &/or use current revs of plant procedures
* Region 2, Atlanta, Office of the Director. 78/09/08. 3pp. 94169:199

781023036 Forwards IE Circular#78-17. (See ANO. 781023022). Docket 50-133. 7810131
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/10/13. 1p. 94169:165.

7811220254 Forwards IE Inspec Rept#50-261/78-22 on 780912-15 during which no items of noncompliance were noted
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/16. 2pp. 94379:318

--7811220256 IE Inspec Rept#50-261/78-22 on 780912-15 during which no items of noncompliance were noted. Major areas inspected incl: inspec of followups of licensee event noncompliance, headquarters request, IE Circulars
MCHENRY, T. J., DANCE, H. C. Region 2, Atlanta, Office of the Director. 78/10/16. 5pp. 94379:320.

7810310122 Transmits inservice inspec prog for pump & valve testing & weld inspec progs. Also transmits 3 copies of remaining rev sys drawings not submitted during 780822 & 23 meetings. Encl available in CF only.
UTLEY, E. E. Carolina Power & Light Co. 78/10/25. 2pp. 94090:027.

7812070301 Forwards IE Inspec Rept#50-261/78-23 on 781002-06 & Notice of Violation.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/30. 2pp. 94353:329.

--7812070309 Notice of Violation from inspec on 781002-06.
* Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/30. 1p. 94353:331.

--7812070312 IE Inspec Rept#50-261/78-23 on 781002-06 during which 2 items of noncompliance were noted: exposure greater than 5(N-18) & Failure to survey waste drums for contamination prior to shipment.
O'BENON, A. F., JENKINS, O. R. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/30. 8pp. 94353:332.

7812060288 Forwards IE Inspec Rept#50-261/78-23 on 781017-19 during which no items of noncompliance were noted.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/01. 2pp. 94372:307.

--7812060293 IE Inspec Rept#50-161/78-25 on 781017-19 during which no items of noncompliance were noted. Major areas inspected incl: lic's physical protec prog as implemented by approved security plan.
DAVIS, C. L. Region 2, Atlanta, Safeguards Branch. 78/11/01. 3pp. 94372:309.

7811130087 Forwards IE Circular 78-18.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/06. 1p. 94113:199.

7812150057 Forwards IE Inspec Rept#50-261/78-24 on 781003-06 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/07. 2pp. 94210:255.

--7812150063 IE Inspec Rept#50-261/78-24 on 781003-06 during which no items of noncompliance were noted. Major areas inspected incl: reviews, audits, IE Bulletin & licensee event followup & licensee action on previous inspec repts.
MCHENRY, T. J., BELISLE, G. A., DANCE, H. C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/07. 7pp. 94210:257.

7811170127 Refers to 780912 CPL ltr re review of valves for pressure isolation function: concludes that all sys w/high to low pressure interface have enough overpressurization protect so that valves do not need to be recategorized & leak test.
UTLEY, E. E. Carolina Power & Light Co. 78/11/09. 1p. 94048:290.

7812120185 Forwards reproductions of articles that appeared in June & Aug 1978 editions of Nuc Security Safeguards Newsletter.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/17. 4pp. 94277:083.

7812040359 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12. w/encl ANO: 7811300059.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/24. 6pp. 94127:143.

7812070039 Ack receipt of 781106 ltr informing NRC of steps taken to correct violations noted during inspec#50-261/78-18
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/28. 1p. 94344:303

--7812070065 Responds to NRC 781011 ltr re violation noted in Inspec Rept #50-261/78-18. Corrective actions: batteries were removed from instruments & proper number of respirators were restored.
FURR, B. J. Carolina Power & Light Co. 78/11/06. 2pp. 94344:304

--7812070069 Forwards IE Inspec Rept#50-261/78-18 on 780807-11 & Notice of Violation.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/11. 2pp. 94344:306

--7812070071 Notice of Violation from inspec on 780807-11.
* Region 2, Atlanta, Office of the Director. 78/10/11. 1p. 94344:308.

--7812070075 IE Inspec Rept#50-261/78-18 on 780807-11 during which 1 item of noncompliance was noted: plant access emergency lit had survey instrument w/batteries left in & had the wrong number of respirators.
PERROTTI, D. J., HUFHAM, J. W. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/11. 18pp. 94344:309

7812130241 Ack receipt of 781127 ltr informing NRC of steps taken to correct violations noted during inspec#50-261/78-23
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/12/07. 1p. 94336:098

--7812130251 Responds to NRC 781030 ltr re violation noted in Inspec Rept #50-261/78-23. Corrective actions: radioactive control personnel instructed in drum exterior smear procedure on 781005.
BANKS, H. R. Carolina Power & Light Co. 78/11/27. 2pp. 94336:099

7812290081 Forwards IE Bulletin 78-14.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/12/19. 2pp. 03693:206

A. Periodic operating reports & related correspondence

7810190270 RD. on 781003, both containment spray pumps were inoper due to air binding. Event placed containment spray sys in condition less conservative than least conservative aspects of section 3.3.2.1.b of Tech Specs.
STARKEY, R. B. Carolina Power & Light Co. 78/10/04. 1p. 94032:013

7810160147 Forwards Monthly Oper Rept for Sept 1978.
BANKS, H. R. Carolina Power & Light Co. 78/10/10. 1p. 94001:350

--7810160149 Monthly Oper Rept for Sept 1978.
WATFORD, M. L. Carolina Power & Light Co. 78/10/03. 4pp. 94001:351.

7811160119 Forwards Monthly Oper Rept for Oct 1978.
BANKS, H. R. Carolina Power & Light Co. 78/11/09. 1p. 94135:174.

--7811160120 Monthly Oper Rept for Oct 1978.
WATFORD, M. L. Carolina Power & Light Co. 78/11/02. 4pp. 94135:175.

7812010232 Forwards corrected pages#12 & 14 to Semi-annual Effluent & Waste Disposal Rept for 780101-780630.
BANKS, H. R. Carolina Power & Light Co. 78/11/21. 4pp. 94409:339.

7812130348 Forwards Monthly Oper Rept for Nov 1978.
BANKS, H. R. Carolina Power & Light Co. 78/12/11. 1p. 94418:132

--7812150351 Monthly Oper Rept for Nov 1978.
WATFORD, M. L. Carolina Power & Light Co. 78/12/06. 5pp. 94418:133.

B. Reportable occurrences, LERs & related correspondence

7810100048 LER#78-022/03L-0 on 780901: momentary loss of 480 volt 3 phase AC pur to MCC-B occurred due to decreasing spring tension in knife blade contact of safety switch. Switch to be replaced by 2 circuit breakers.
STARKEY, R. B. Carolina Power & Light Co. 78/10/02. 3pp. 94032:183.

7810100043 Forwards LER#78-021/03L-0.
BANKS, H. R. Carolina Power & Light Co. 78/10/02. 1p. 94032:182.

7810270215 Forwards LER#78-026/01T-0.
BANKS, H.R. Carolina Power & Light Co. 78/10/16. 2pp. 94053:229.

--7810270226 LER#78-026/01T-0 on 781003: During normal oper "A" & "B" containment spray pumps failed to meet the Delta P requirement due to air bining Pumps vented at 2150 making them oper.
STARKEY, R. B. Carolina Power & Light Co. 78/10/16. 1p. 94053:230.

7810310123 Forwards LER#78-022/03L-0.
FURR, B.J. Carolina Power & Light Co. 78/10/20. 1p. 94090:126.

--7810310127 LER 78-022/03L-0 on 780921: during full pur oper, a primary to secondary leak was detected in A Steam Generator of 0.620PM. Caused by failure of 2 steam generator tubes.
STARKEY, R. B. Carolina Power & Light Co. 78/10/20. 2pp. 94090:127.

7810310143 Forwards LER#78-023/03L-0.
BANKS, H.R. Carolina Power & Light Co. 78/10/23. 1p. 94090:171.

--7810310153 LER#78-023/03L-0 on 780922: While proceeding from hot to cold shutdown the concentration of boric acid storage tank B was 22796PPM, due to insufficient sampling during batching & tank A level was low as result of boring the RCS.
STARKEY, R. B. Carolina Power & Light Co. 78/10/23. 2pp. 94090:172.

7810310219 LER #78-024/03L-0 on 781001: engine-driven fire water pump failed to start due to moisture in distributor cap. Caused by heavy rains & access door being left open. Moisture removed & engine test started w/satisfactory results on 781006.
STARKEY, R. B. Carolina Power & Light Co. 78/10/25. 2pp. 94090:324.

7811090186 Forwards LER#78-025/03L-0.
BANKS, H.R. Carolina Power & Light Co. 78/11/01. 1p. 94038:233.

--7811090191 LER#78-025/03L-0 on 781003: during normal oper PPS leakage past Containment Purge Outlet isolation valve 30-FR was in excess of Tech Spec limits due to normal wear of Nordel rubber seat.
STARKEY, R. B. Carolina Power & Light Co. 78/11/01. 2pp. 94038:234.

7812140143 Forwards LER#78-027/03L-0.
BANKS, H.R. Carolina Power & Light Co. 78/11/11. 1p. 94133:306.

--7812140165 LER#78-027/03L-0 on 781109: w/reactor at full pur, instr air supplies to RHR flow controls valves RHR-605 & RHR-758 were not isolated as req. due to deficiency in procedure OP-38-C & misunderstanding by operator signing off procedure.
STARKEY, R. B. Carolina Power & Light Co. 78/12/11. 3pp. 94133:307.

7812270257 Forwards LER#78-029/01T-0.
BANKS, H.R. Carolina Power & Light Co. 78/12/19. 1p. 94168:059.

--7812270263 LER#78-029/01T-0 on 781205: determined that 781128 Reactor Protec Bys relay failure was potential generic problem. Relay was stuck in energized position due to thermal deterioration of epoxy adhesive used in manufacture.
STARKEY, R. B. Carolina Power & Light Co. 78/12/19. 3pp. 94168:060.

7810310210 Forwards LER #78-024/03L-0.
BANKS, H.R. Carolina Power & Light Co. 78/10/25. 1p. 94090:323.

V. Operator Examinations

7810170110 Senior Operator Lic#SDP-1426-4 for R.E. Morgan to direct the lic activities of lic operators & to manipulate all controls of sub j facil. Lic#DPR-23.
COLLINS, P. F. Operator Licensing Branch. 78/11/16. 1p.

7810180170 Operator Lic#OP-2864-4 for James I Murray to manipulate all controls of sub j facil. Lic#DPR-23.
COLLINS, P. F. Operator Licensing Branch. 78/11/16. 1p. 94317:099.

DOCKET 50-263 MONTICELLO NUCLEAR GENERATING PLANT

F. Security, medical, emergency & fire protection plans

7810160122 Describes plan for isolation of reactor bldg fire suppression water for installation of new hose stations. Details compensatory protec measures for the 10 hours the sys will be disabled.
MAYER, L.O. Northern States Power Co. 78/10/10. 1p. 94005:192.

7811140194 Forwards responses to NRC Staff recommendations re sub j facil fire protec prog resulting from NRC inspec during week of 780731 & contained in NRC ltr of 780905. NSP intends to resolve all NRC concerns by 781231.
MAYER, L.O. Northern States Power Co. 78/11/07. 10pp. 94384:203.

7812050045 Forwards fire protec info from 780731-780804 meeting. Incl list of attendees, summary items NSP agreed to complete in response to NRC staff concerns, concerns discussed at meeting but not resolved & open items.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/24. 26pp. 94334:122.

G. Adjudicatory correspondence

7810230337 Requests briefs from all parties re issuance of a full-time lic for sub j facil pending resolution of anticipated transients w/out scram(ATWB) design. Briefs must be filed w/in 30 days of svc of this Order.
LAZD, R.M. Atomic Safety and Licensing Board Panel. 78/10/13. 5p. 94167:043.

7811070284 Forwards memos re recent problems in pipe support base pl design. (AND: 7811020332, 7811020336, & 7811020343.)
LEWIS, B.H. Office of the Executive Legal Director. 78/10/24. 1p. 94040:326.

7811130002 Forwards 780929 memo re results of recent fire protec test conducted at Underwriters Lab.
(See AND: 7810050359, 7810050373.)
LEWIS, B.H. Office of the Executive Legal Director. 78/10/24. 1p. 94077:006.

7812050050 NRC Staff request for extension of time re preparation of rept of staff views on implications of & requirements for protec against ATWB for operating nuc pur plants.
KARMAN, M. Office of the General Counsel. 78/11/09. 3pp. 94334:211.

7812130149 Forwards 781017 memo re post-LOCA hydrogen production from male inside containment.
KARMAN, M. Office of the Executive Legal Director. 78/11/22. 1p. 94289:063.

7812260044 Request & Motion for Order Prohibiting the Installation of Defective Spent Fuel Storage Racks in Violation of Provisional Oper Lic. Request to Institute a proc & Petition for Leave to Intervene. Cert of Svc encl.
STENSVAAQ, J.M., OLSON, J.F. Minnesota Pollution Control Agency. 78/12/08. 3pp. 94021:001.

--7812260057 Motion of MN Pollution Control Agency is granted & lic is ordered to cease & desist from further installation of any spent fuel storage rack at sub j facil pending further order.
* Atomic Safety and Licensing Board Panel. 78/12/15. 3pp.

H. General correspondence

7812270018 Responds to 781109 ltr expressing concern re fuel rack swelling at sub j facil. Forwards OE Topical Rept NEDO-24076. w/o encl.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/12/01. 1p.

--7812270023 Expresses concern over fuel rack swelling at sub j facil. Requests OE Rept NEDO-24076 & NRC SER.
GARDEBRING, S.B. Affiliation Unknown. 78/12/09. 1p. 94159:15.

I. Financial information

7810300196 Forwards 1977 Annual Rept & schedule showing 1977 actual Cash Flow to comply with Reg Guide 9.4. Net income by dividends declared instead of dividends paid has been reduced to get retained earnings figure.
CARLSON, L.R. Northern States Power Co. 78/10/23. 2pp. 94034:1.

7810170099 Responds to 780807 NRC request for surveillance & info re Reactor Protec Sys Pur Supply Design. Final details on any Facil or spec mod will be submitted by 790201 when studies are complete
MAYER, L. D. Northern States Power Co. 78/10/12. 3pp. 94270:089.

--7810170262 States that 781012 util response to NRC re Reactor Protec Sys Pur Supply contains no restricted or defense info.
WACHTER, L. J. Northern States Power Co. 78/10/12. 1p. 94270:092.

7810230076 Notifies that starting about 781201 Co will begin to use shipping cask CNST 14-175H(UBA/9094/A)
MAYER, L. D. Northern States Power Co. 78/10/12. 1p.

7810200078 Mark I Containment Prog--Gen Elec Rept "NEDE-21685-P, Mark I Downcomer Reduced Submergence-Functional Assessment Rept" has been transmitted to NRC by Gen Elec via L. J. Babon's ltr to V. Stello 780802. Rept deals w/tech bases re use 3 ft min.
MAYER, L. D. Northern States Power Co. 78/10/13. 1p. 94366:341.

--7810200080 Forwards ltr which covers submittal of info requested by NRC re containment design of Mark I. Request contains no restricted or other defense info.
WACHTER, L. J. Northern States Power Co. 78/10/13. 1p. 94366:342.

7810300145 Notifies NRC of high leakage rates for reactor water cleanup sys isolation valves during local leak rate testing on 781020, 781021, & 781022, cause for which is under investigation.
ELIASON, L. R. Northern States Power Co. 78/10/23. 1p. 94039:126.

7811100335 Summary of 780914 meeting w/QE representatives & Mark I Owners Group re progress of Long Term Prog w/attendance list & agenda(RD-9-A-Mark I, Standards.)
GRIMES, C. Plant Systems Branch (Pre 791030). 78/10/26. 67pp.

7811220138 Forwards Amend#36 to Provisional Operating Lic#DPR-22, which changes Tech Specs re limiting conditions for oper & surveillance req for suppression pool water level.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/10/30. 2pp. 94074:225.

--7811220140 Amend#36 to Provisional Operating Lic#DPR-22, which changes Tech Specs re limiting conditions for oper & surveillance req for suppression pool water level. W/encl rev Tech Spec.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/10/30. 18pp. 94074:227.

--7811220143 Safety Eval Rept Supporting Amend#36 to Lic#DPR-22. States that issuance of amend will not be inimical to the common defense & security or to pub health & safety.
* Office of Nuclear Reactor Regulation, Director. 78/10/30. 4pp. 94074:243.

--7811220144 Notice of Issuance of Amend#36 to Provisional Operating Lic #DPR-22.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/10/30. 2pp. 94074:249.

7811270100 Forwards Amend#37 to Provisional Operating Lic#DPR-22, changing Tech Spec to improve simmer margin of safety/relief valves.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/06. 2pp. 94260:339.

--7811270103 Amend#37 to Provisional Oper Lic#DPR-22, changing Tech Spec to improve simmer margin of safety/relief valves.
GRIMES, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/06. 33pp. 94223:249.

--7811270106 Safety Eval supporting Amend#37 to Provisional Oper Lic #DPR-22. Concludes issuance of amend will not be inimical to nation or people.
* Office of Nuclear Reactor Regulation, Director. 78/11/06. 10pp. 94223:282.

--7811270110 Notice of Issuance of Amend#37 to Provisional Oper Lic #DPR-22 changing Tech Spec to improve simmer margin of safety/relief valves.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/06. 2pp. 94223:292.

7811210307 States that Bechtel has discovered a problem in the analysis computer prog that analyzed subj facil piping sys. Recommends adding one & modifying two restraints on the RHR suction piping.
ELIASON, L. R. Northern States Power Co. 78/11/13. 1p. 94488

7812130135 Notice of workshops re implementation of training & q requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out mail W/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 7911/78/11/15. 5pp. 94212:179.

7812180275 Forwards Rev#1 "Draft Radiological Effluent Tech Spec: BWR (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
GRIMES, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94356:352.

7811210334 Notifies that 780707 ltr schedule can not be met. Antic that field verification & insurance review of completed design for turbine lube oil reservoir deluge sys extension will be completed by 790131.
MAYER, L. D. Northern States Power Co. 78/11/16. 1p. 94484:31

7811280338 Completion of replacement of existing CR 120A contact retainers will be finished by 790131. Also, replacement of snubber springs will be decided upon after discussions w/ vendor. Original replacement springs found defective.
WACHTER, L. J. Northern States Power Co. 78/11/16. 1p. 94395:

7811290367 Requests addl info on 780315 util proposal re Inevc I: Testing Prog. Questions cover pump testing prog, valve testing prog & reactor recirculation sys.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/6pp. 94180:029.

7812010215 Announces installation of 1 addl restraint & mod of 2 suction piping restraints. Because analysis indicates RHR suction line & supports would have functioned during design base earthquakes, the prob is not an RD. RD hereby retracted.
ELIASON, L. R. Northern States Power Co. 78/11/22. 1p. 94409:

7812130200 Concludes that the effects evaluated re post-LOCA gain of hydrogen in both BWR & PWR pressure suppression type containments do not lead to new significant safety concerns w/encl supporting conclusion.
MATIBON, R. J. Division of Systems Safety. 78/10/17. 48pp. 94289:062.

7812050371 Forwards corrected replacement page#157A for subj facil Spec re downcomers to suppression pool.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/3pp. 94408:296.

7812110021 Discusses possible dangers of LOCA in containment purg during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND:
#7812080207.
IPPOLITO, T. A. Operating Reactors Branch 2 (Pre 790625). 78/11/6pp. 94339:296.

7812070221 Forwards appl for change of Tech Specs, Appendix A, of Ops Lic#DPR-22.
MAYER, L. D. Northern States Power Co. 78/12/01. 1p. 03959:08

--7812070222 Appl for change of Tech Specs, Appendix A, of Oper Lic# re reduction of minimum specified Low Pressure Coolant Injection delivery capability by 10% to provide reasonable margin between performance & minimum. W/encl Exhibits A, B & C.
WACHTER, L. J. Northern States Power Co. 78/12/01. 7pp. 03959:083.

7812140176 Forwards Oct 1978 Prog Activity Review listing meeting & providing task-by-task activity summary for the month.
BOBON, L. J. General Electric Co. 78/12/04. 11pp.

7812280017 Emphasizes importance of submitting accurate & complete to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. B. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94131:034.

cessed matl surveillance prog. Due to a delay by Gen Elec in assembling this info. until requests extension of time to provide info.
MAYER, L. O. Northern States Power Co. 78/12/11. 1p. 94133:341.

2260323 Forwards 781204 NRC ltr re mod & installation of defective spent fuel racks at facil pleading served on the Comm by the IN Pollution Control Agency re this issue. Cert of Bvc encl.
ITENYVAAG, J. Minnesota, State of. 78/12/13. 2pp. 94160:116.

7812260328 Responds to 781109 ltr re fuel rack swelling. Forwards OE Topical Rept. NED00-2407. W/o encl rept. W/encl Cert of Bvc.
GARDEBRING, S. Minnesota, State of. 78/12/04. App.

2210190 During surveillance test on 781214 one of four ATWB-Recirc pump Trip reactor high pressure instru channel sensor delays (Agastat Model#0PBC 750 w/CP0095 socket) failed to energize due to socket contact being disengaged.
LIABON, L. R. Northern States Power Co. 78/12/15. 1p. 94279:025.

2060318 Notifies NRC that co will use model CNB-1600 shipping cask to transport radioactive matl. Also confirms understanding of A requirements of 10CFR71 governing shipments.
AYER, L. O. Northern States Power Co. 77/12/27. 1p. 94332:039.

1210367 Forwards addl info re multiple consecutive safety/relief valve actuation of Mark I containment program.
OBOM, L. J. General Electric Co. 78/11/13. 3pp.

Inspection reports, IE Bulletins & correspondence

1300398 Forwards IE Inspec Rept#50-263/78-12 on 780828-30 during which no items of noncompliance were noted.
AUB, A. B. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/09/29. 3pp. 94136:324.

311200401 IE Inspec Rept#50-263/78-12 on 780828-30 during which no items of noncompliance were noted. Major areas inspected incl: environ protac & confirmatory measurements.
JANUSKA, A. Q., DESTHANN, M. J. Region 3, Chicago, Office of the Director. 78/09/26. 5pp. 94136:326.

1230338 Forwards IE Circular#78-17. (See AND: 7810230221, Docket 1-013, 781013)
KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/10/13. 1p. 94167:041.

1070074 Forwards IE Inspec Rept#50-263/78-14 on 781012-13 during which no items of noncompliance were noted.
ORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/30. 2pp. 94347:343.

112070078 IE Inspec Rept#50-263/78-14 on 781012-13 during which no items of noncompliance were noted. Major areas inspected incl: initial training, replacement training & retraining of licensed & nonlicensed personnel & operators.
WRIGHT, O. C., LITTLE, W. B. Region 3, Chicago, Office of the Director. 78/10/30. 3pp. 94347:345.

140010 Forwards IE Inspec Rept#50-263/78-13 on 780925-29 & Notice of Violation.
ORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/31. 2pp. 94119:337.

12140012 Notice of Violation from Inspec on 780925-29.
Region 3, Chicago, Office of the Director. 78/10/31. 1p. 94119:339.

12140016 IE Inspec Rept#50-263/78-13 on 780925-29 during which 1 item of noncompliance was noted: quality engr did not review & approve the resolution of discrepancies identified during receipt of purchase orders.
WRIGHT, T. L., WERNICK, R. F. Region 3, Chicago, Office of the Director. 78/10/30. 7pp. 94119:340.

500084 Forwards IE Circular 78-18.
KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/06. 94112:183.

incl: preparation for refueling outage, prefuel handling activities & fuel handling activities.
WRIGHT, O. C., LITTLE, W. B. Region 3, Chicago, Office of the Director. 78/11/15. 5pp. 94159:034.

7812050278 Forwards IE Bulletin#78-12A, suppl 1 to IE Bulletin 78-12. W/encl AND: 7811300055
KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/24. 1p. 94202:165.

7812260308 Ack receipt of 781121 ltr informing NRC of steps taken to correct violations noted in 781031 NRC ltr.
PIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/12/14. 1p. 94160:080

78122603065 Forwards IE Bulletin 78-14.
KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/12/19. 1p. 03584:384.

A Periodic operating reports & related correspondence

7810120030 Forwards monthly Oper Rept for Sept 1978.
MAYER, L. O. Northern States Power Co. 78/10/09. 1p. 94471:335.

--7810120032 Monthly Oper Rept for Sept 1978.
MYRABO, A. L. Northern States Power Co. 78/10/05. App. 94471:337.

7811160116 Forwards Monthly Oper Rept for Oct 1978.
MAYER, L. O. Northern States Power Co. 78/11/13. 1p. 94135:166.

--7811160117 Monthly Oper Rept for Oct 1978.
MYRABO, A. L. Northern States Power Co. 78/11/03. 5pp. 94135:168.

7812110136 Forwards Monthly Oper Rept for Nov 1978.
MAYER, L. O. Northern States Power Co. 78/12/08. 1p. 94393:237.

--7812110140 Monthly Oper Rept for Nov 1978.
MYRABO, A. L. Northern States Power Co. 78/12/06. App. 94393:239.

B Reportable occurrences, LERs & related correspondence

7810110160 Forwards LER#78-016/03L-0.
MAYER, L. O. Northern States Power Co. 78/10/06. 1p. 94069:115.

--7810110183 LER#78-016/03L-0 on 780908: trip of essential MCC B33A s breaker 52-304 resulted in oper in degraded mode permitted by various limiting conditions for oper. Cause unknown.
SMITH, G. R. Northern States Power Co. 78/10/06. 1p. 94413:336.

7810240117 Notifies NRC that 2 valves leaked in excess of criteria & local leak tests established in Tech Specs.
ELIABON, L. R. Northern States Power Co. 78/10/16. 1p.

7811240162 LER#78-018/03L-0 on 781002: during routine surveillance to HPCI isolation temp switch Model 17023-A failed to trip due to loose wire inside switch. Redundant switches tested satisfactorily.
HILL, W. J. Northern States Power Co. 78/10/19. 1p. 94456:301.

7810300191 Forwards LER#78-018 03L-0.
MAYER, L. O. Northern States Power Co. 78/10/25. 1p. 94033:351.

--7810300196 LER#78-018/03L-0 on 781002: 2 primary containment isolation valves in RCIC sys & 1 in RWCU sys. were made inoper due to personnel error.
PEARSON, B. L. Northern States Power Co. 78/10/19. 1p. 94033:353.

7811240124 Forwards LER#78-017/03L-0.
MAYER, L. O. Northern States Power Co. 78/10/25. 1p. 94478:282.

--7811240126 LER#78-017/03L-0 on 781001: two primary containment isolation valves (RCIC & RWCU) were rendered inoperable for 2 minutes due to control document identification error. Isolation valve Tech Spec requirement emphasized.
PEARSON, B. L. Northern States Power Co. 78/10/23. 1p. 94478:284.

7811280234 Forwards LER#78-019/01T-0, #78-023/01T-0, #78-024/01T-0, #78-025/01T-0, & #78-026/01T-0
MAYER, L. O. Northern States Power Co. 78/11/22 1p. 94012:146.

--7811280239 LER#78-019/01T-0 on 781014: while performing local leak rate test, "D" outboard MSIV, AD-2-86D was leaking in excess of Tech Spec 4.7 A.2.F. Caused by scratch on main seat Seats lapped & valve retested satisfactory
TOBIN, P. A. Northern States Power Co. 78/11/22 1p. 94012:147.

--7811280244 LER#78-023/01T-0 on 781014 while performing local leak rate test "A" outboard MSIV, AD-2-86A was leaking in excess of T.B. 4.7 A.2.F. Caused by bent valve stem & worn lower guide rib Valve stem replaced & lower guide rib rebuilt
TOBIN, P. A. Northern States Power Co. 78/11/22 1p. 94012:148

--7811280249 LER#78-024/01T-0 on 781020: during local leak rate test HPCI-9, turbine exhaust line check valve was leaking in excess of T.B. 4.7 A.2.F. Caused by accumulated dirt on seating surfaces Seats cleaned, lapped & retested satisfactorily
PEDERSEN, D. E. Northern States Power Co. 78/11/22 1p. 94012:149.

--7811280253 LER#78-025/01T-0 on 781021: during local leak rate test, RCIC-9, RCIC turbine exhaust line check valve was leaking in excess of T.B. 4.7 A.2.F. Caused by accumulated dirt on seating surfaces Seats cleaned & retested satisfactorily.
HAMMER, S. J. Northern States Power Co. 78/11/22. 1p. 94012:150.

--7811280256 LER#78-026/01T-0 on 781022: during local leak rate test, MO-2397 & MO-2398, reactor cleanup isolation valves were leaking in excess of T.B. 4.7 A.2.F. Caused by excessive packing gland leakage & improper torque/limit switch settings.
NOLAN, L. L. Northern States Power Co. 78/11/22 1p. 94012:151.

7812200283 Forwards LER#78-021/03L-0.
MAYER, L. O. Northern States Power Co. 78/12/14. 1p. 94207:180.

--7812200287 LER#78-021/03L-0 on 781114: during refueling outage while testing RHR BW sys, a pinhole leak was discovered in CV-1729. RHR BW differential pressure control valve. Caused by corrosion & erosion of upper valve body
OVERLID, T. W. Northern States Power Co. 78/12/14. 1p.

7812200211 Forwards LER #78-022/03L-0.
MAYER, L. O. Northern States Power Co. 78/12/15. 1p. 94162:285.

--7812200215 LER#78-022/03L-0 on 781117: steam leak was discovered in A 1" WYE Strainer, Y8-4002, on the main steam equalizer drain line. Leak caused by a defective casting & dev after two days of svc.
TOBIN, P. A. Northern States Power Co. 78/12/15. 1p. 94162:286.

7812260193 Reportable occurrence on 781218: MO-2-94A recirc discharge bypass valve would not close, recirc sys mod. Valve to be repaired.
ELIASON, L. R. Northern States Power Co. 78/12/19. 1p. 94159:196.

7812260256 Forwards LER#78-028/03L-0.
MAYER, L. O. Northern States Power Co. 78/12/19. 1p. 94159:356.

--7812260258 LER#78-028/03L-0 on 781124: during normal oper, small steam leak was discovered in weld of 45 degree elbow on HPCI steam supply line 1 inch drain line to main condenser due to corrosion. Weld repair made at leak. Awaiting parts.
PEDERSEN, D. E. Northern States Power Co. 78/12/19. 1p. 94159:357.

7812270232 Forwards LER#78-029/01T-0.
MAYER, L. O. Northern States Power Co. 78/12/21. 1p. 94017:141.

--7812270237 LER#78-029/01T-0 on 781214: High pressure instrument channel relay failed to energize due to disengaged AOASTAT#CRO095 relay socket contact that failed to make contact w/AOASTAT #FP8750 relay contact. Contacts were reengaged.
HAMMER, M. E. Northern States Power Co. 78/12/21. 1p.

7812270241 Forwards LER#78-020/03L-0.
MAYER, L. O. Northern States Power Co. 78/12/21. 1p. 94017:150.

--7812270245 LER#78-020/03L-0 on 781121: during normal pur increase, both indicating lights for MO-2014, LPCI A loop admission valve were out due to blown control pur fuse. Fuse had opened on slight over load for extended time period & was replaced.
OVERLID, T. W. Northern States Power Co. 78/12/21. 1p. 94017:151.

--7812270251 LER#78-027/03L-0 on 781121: during normal oper a steam was found in tee downstream of MO-1197 on the 2" HP Turbine "U" bend drain line to condenser, probably due to flow of steam & water from restricting orifice into tee
TILLY, D. D. Northern States Power Co. 78/12/21. 1p. 94017.

DOCKET 50-264 DOW CHEMICAL CO.

F. Security, medical, emergency & fire protection plans

7810300037 Forwards Dow's rev "Security Plan for Subj Facil". Docu available in Central Files only.
LANGNER, R. R.; KOCHANNY, O. L. Dow Chemical Co. 78/10/20. 1p.

J. Insurance & indemnity information

7810110098 Forwards signed copy of Amend #9 to Indemnity Agreement #8-34
COALWELL, T. N. Dow Chemical Co. 78/10/05. 1p. 94066:347.

--7810110101 Amend #9 to Indemnity Agreement #8-34, adding Article payment of premiums.
BALTIMAN, J. Antitrust & Indemnity Group. 78/10/05. 2pp. 94066:348.

DOCKET 50-265 QUAD-CITIES STATION, UNIT 2

A. Application/construction stage documents & correspondence

7812150228 Classifies lic amend for proposed fuel pool mod as Class IV & I not Classes III & I. Requires addl charge of \$8300 for each of the two appl. to be paid w/in 15 days.
MILLER, W. D. License Fee Management Branch. 78/12/11. 2pp.

F. Security, medical, emergency & fire protection plans

7810120080 Forwards analysis of Electrical Cable Penetration Fire Barrier Test conducted on 780619. Also forwards 3rd party observer rept of test & 5 detailed drawings associated w/test.
NAUGHTON, W. F. Commonwealth Edison Co. 78/09/29. 4pp.

7811020349 Responds to 780929 ltr requesting NRC agreement to resp to requests in case of offsite emergency. Under Interagency Agreement, DOE Chicago Oper Ofc coordinates requests in area.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/10/1p. 94241:087.

--7811020375 Requests NRC assistance in event of emergency at subj KALIVIANAKIS, N. Commonwealth Edison Co. 78/09/29. 1p. 94241:088.

7812120195 Informs NRC name of fire protec consulting firm hired by CEIL to fulfill requirements of "Fire Protec Organization of Nuc Plant Fire Protec Functional Responsibilities Admin Controls & GA" will be submitted 790201.
NAUGHTON, W. F. Commonwealth Edison Co. 78/11/30. 2pp.

G. Adjudicatory correspondence

7811090259 Bd grants request by Citizens for a Better Environ & Na Resources Defense Council for permission to file response to answers opposing their petitions to intervene by 781103.
MILHOLLIN, O. L. Atomic Safety and Licensing Board Panel. 78/11/1p.

7811160021 Grants request by licensee CEIL to have until 781107 to respond to 781013 Order of ASLB permitting NRDC & Citizens for a Better Environ to file response to answers opposing their petitions to intervene in proceedings re subj Facils.
MILHOLLIN, O. L. Atomic Safety and Licensing Board Panel. 78/11/1p.

7812110284 Cancels special prehearing conference scheduled for 7811 Conference shall be held on 790111 in Tax Courtroom of US Courthouse & Fed Bldg, Chicago, IL. Parties & petitioner must rept to Board by 781215 re progress of negotiations.
MILHOLLIN, O. L. Atomic Safety and Licensing Board Panel. 78/12/1p.

7810190131 Answer by CEIL to Petition to intervene filed by Atty Gen of IL on 780920. Agrees that Atty Gen has standing, but asserts there are no genuine issues to be heard at hearing. Requests that Atty Gen request for EIB be denied.

300324 NRC Staff Answers to Council for Citizens for Better
Environ & Natural Resources Defense Council's Petition for
leave to Intervene Staff opposes granting petition. w/Cert
of Svc.

GODDARD, R. J. Office of the Executive Legal Director. 78/10/10

310223 Staff Answer to State of IL petition for Leave to Intervene
Staff does not oppose admission of IL as party to proc.

GODDARD, R. J. Office of the Executive Legal Director 78/10/10.

310063 Petition for leave to intervene & for hearing filed by
Citizens for Better Environ & Natural Resources Defense
Council. Request for leave to file response to answers
pending petition is granted.

McMILLIN, G. L. Atomic Safety and Licensing Board Panel. 78/10/13

330223 "Natural Resources Defense Council Response to Commonwealth
of Mass. & Staff's Answers to Petition for Leave to
Intervene." Intervenor urges Bd to establish a schedule for
resolving challenges to contentions.

EBMAN, A. Z. Natural Resources Defense Council 78/10/23. 16pp.

310216 NRC request to file response to NRDC response to Comm Ed &
C answers to petition for leave to intervene dtd 781023.
granted. Reply will be served by 781103. Cert of Svc encl.

GODDARD, R. J. Office of the Executive Legal Director. 78/10/26

P.

200070 Request by Comm Ed for leave to file a response to NRDC
brief which argues that organizations may show standing to
participate in NRC proceedings merely by alleging that they
represent anonymous members. Cert of Svc encl.

REPTOE, P. P. Isham, Lincoln & Beale. 78/10/30. 2pp.

220010 NRC Staff's Response to NRDC's Response to Answers to
Citizens' Petition for leave to intervene. NRC asserts that
NRDC has not demonstrated its standing to intervene as
party of right. Cert of Svc encl.

GODDARD, R. J. Office of the Executive Legal Director. 78/11/03.

P.

200003 Special Prehearing Conference in proceedings re subj facili
will be held on 781215 in Rock Island, IL. All parties to
the case & all petitioners to intervene must attend &
will be prepared to discuss all issues.

McMILLIN, G. L. Atomic Safety and Licensing Board Panel. 78/11/09.

P.

130122 Gives notice that A Bielawski enters an appearance on behalf
of applicant CEIL in proceedings re subj facili. Cert of Svc
encl.

ELAWSKI, A. P. Isham, Lincoln & Beale. 78/11/21. 2pp.

270230 Proposed stipulation re NRDC & CBE's representation of
named members in Dresden-Quad Cities transshipment is not
acceptable to NRC. NRC position on NRDC's petition to
intervene remains as stated in 781103 pleading.

GODDARD, R. J. Office of the Executive Legal Director. 78/12/06. 1p.

280271 Forwards "Stipulation" of NRDC, CBE & Commonwealth Edison Co
identification of members of NRDC & CBE to prove they
have interests that may be affected. No agreement w/Reg Staff
has been reached.

EBMAN, A. Z. Natural Resources Defense Council. 78/12/08. 1p.

1280280 Parties agree that NRDC & CBE have adequately identified at
least one member whose interest may be adversely affected
by the proposed action. Auth to represent these interested
members has not been agreed upon.

EBMAN, A. Z. Natural Resources Defense Council. 78/12/11. 3pp.

2870133 Special Prehearing Conf Scheduled for 790111 is postponed
until 790201. Parties are excused from
attendance to re-try to Bd by 781215 re negotiations
progress.

McMILLIN, G. L. Atomic Safety and Licensing Board Panel. 78/12/13.

P.

J. Insurance & indemnity information

7812190109 Requests refund of \$6 per mut in excess indemnity fee paid
for Lic#DPR-2, #DPR-19, #DPR-23, #DPR-29, #DPR-30, #DPR-39,
#DPR-48
POOLE, R. D. Commonwealth Edison Co. 78/12/13. 1p

P. Operating license stage documents & correspondence

7812080026 FOIA request for all records incl: quantity of radioactive
matl disposed of from former Manhattan proj in IL known as
Chicago Piles #1, 2 & 3 Matl disposed of in IL by Lindsay Cos
at Morris Facili & Dresden Facili.
HANSELL, D. Illinois, State of. 78/11/06. 2pp.

7812080149 Requests addl info within 60 days re 761106 & 780221
submittals on instru setpoints.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/12/05
3pp. 94104:351.

7812110001 Discusses possible dangers of LOCA in containment purging
during normal plant oper. Requests either commitment to limit
purging or justification for continuing. W/encl AND.
#7812080207.
IPPOLITO, T. Operating Reactors Branch 2 (Pre 790625). 78/11/29.
8pp. 94339:089.

7810100027 Forwards evaluation of reactor protect sys pur supplies
proposing over-voltage alarm in control room of subj facili.
TURBANK, M. B. Commonwealth Edison Co. 78/10/04. 3pp.

7810140112 Reevaluation of Lic amend fees for inter-ation spent fuel
transfer for subj facili as requested by 780817 ltr shows
that the class 1 & 3 fees paid for each station are correct.
MILLER, W. O. License Fee Management Branch. 78/10/10. 1p.

7811130335 Summary of 780914 meeting w/OE representatives & Mark 1
Owners Group re progress of Long Term Prog w/attendance
list & agenda (RD-9-A-Mark1, Standards).
GRIMES, C. Plant Systems Branch (Pre 791030). 78/10/26. 67pp.

7811020322 Request to amend Section 6.6, B.1.0 of Append A to Tech Specs
to facili oper lic re reporting req for reactivity anomalies
is w/drawn, as Reg Guide "Interpretation" by ARC on 780701 does
not req rept for reactivity increase of less than 5 secs.
REED, C. Commonwealth Edison Co. 78/10/26. 2pp.

7811030161 Forwards proposed Amend changing Tech Specs w/regard to
updating station organizational charts. Changes have received
onsite & offsite approval.
REED, C. Commonwealth Edison Co. 78/10/26. 9pp.

7811140105 Responds to 780316 NRC ltr requesting addl info re reactor
vessel metal surveillance specimen fluence values at time of
withdrawal, w/projections based on dosimetry results of
previously tested capsules & BOX capacity factor. W/o encl.
TURBANK, M. B. Commonwealth Edison Co. 78/11/03. 2pp.

7811140002 Notifies applicant of 781128 NRC-sponsored seminar re Model
Radiological Effluent Tech Specs for Nuc Pow Plants w/encl
Seminar Info Sheet (to be completed & returned by 78117) &
Proposed Agenda.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/07.
6pp.

7811200058 Forwards Amend#39, #37, #48 & #47 for Lics DPR-19, DPR-23,
DPR-19 & DPR-30 respectively. Amends revise Tech Specs re
operating temp & pressure limits. Also forwards Safety Eval &
Fed Register Notice.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/13.
3pp.

--7811300073 Amend#47 to the Operating Lic rev Tech Specs re operating
temp & pressure limits.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/13.
6pp.

--7811300077 Safety Eval Rept in support of Amend#39, #37, #48 & #47 to
Oper Lics DPR-19, DPR-23, DPR-29 & DPR-30, respectively.
w/ Office of Nuclear Reactor Regulation, Director. 78/11/13. 4pp.

--781130089 Notice of Issuance of Amend#39, #37, #48 & #47 to Oper Lic
DPR-19, DPR-25, DPR-29 & DPR-30, respectively.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625) 78/11/13
2pp

7812180044 Notice of workshops re implementation of training & qual
requirements contained in Append B of 10CFR73 Requests
pre-workshop registration of attendees to facilitate sending
out mat'l w/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030)
78/11/13 5pp 94133 049

7812180266 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for
BWR's (NUREG-0473) & "Preparation of Radiological Effluent
Tech Specs for Nuc Pwr Plants" (NUREG-0133)
ORIHES, B. K. Assistant Director for Engineers & Projects (Pre
790625) 78/11/13 6pp 94365 349

7812050107 Forwards rev page to Topical Rept CE-1-A: "Qual Assurance
Prog, Rev 6." Rev reflects Reg Guidel 28 & 133 rev
TURBAK, M. B. Commonwealth Edison Co 78/11/17 2pp

7811280213 Forwards current lic status list for subj facili
REED, C. Commonwealth Edison Co 78/11/20 9pp

7811280246 Forwards "Projected Fluence Values at Withdrawal for the
Capsules Designated to Meet the Requirements of 10CFR50
Append H." Table 1 to be attached to 781103 ltr to Ipolito
TURBAK, M. B. Commonwealth Edison Co 78/11/20 2pp

7812060166 Informs NRC that response to 781115 NRC ltr re lic amend
appl & ownership for subj facil will be made by Commonwealth
Edison
MILLER, R. D. Iowa-Illinois Gas & Electric 78/11/24 1p
94371 260.

7812140176 Forwards Oct 1978 Prog Activity Review listing meetings held
& providing task-by-task activity summary for the month
BOBON, L. J. General Electric Co 78/12/04 11pp.

7812280129 Emphasizes importance of submitting accurate & complete info
to NRC by licensees & applicants. Info submitted must be
substantiated by data & calculations. Licensee must notify
NRC of any inaccuracies or enforcement action will result.
DAVIS, J. Q. Office of Inspection & Enforcement, Office of the
Director. 78/12/06 2pp.

7812190097 Accepts topical rept#CE-1-A Rev#6, "Comm Edison Co Quality
Assurance Prog for Nuc Generating Stations." Requests
submittal of 36 copies.
HAABS, W. P. Quality Assurance Branch. 78/12/13 1p.

7812270225 Provides addl info re gaseous releases described in 781030
ltr. Cause of increase in off-gas activity is believed to be
fuel leakers & corrective action for high gaseous activity
is to maintain minimum leakage by close surveillance.
KALIVIANAKIS, N. Commonwealth Edison Co. 78/12/13 6pp 94017:139.

G. Inspection reports, IE Bulletins & correspondence

7812040033 Forwards IE Inspec Repts#50-254/78-21 & #50-265/78-22 on
780821-25, 780831, 780901, 780906-07, 780913-14, 781003-04 &
Notice of Deviation.
FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support
Branch. 78/10/31 2pp 94129:092

--7812040038 Notice of Deviation from inspec on 780821-25.
* Region 3, Chicago, Office of the Director. 78/10/31 1p.
94129:094.

--7812040046 IE Inspec Repts#50-2543/78-21 & #50-265/78-22 on 780821-25
during which 1 item of deviation was noted: excessive amounts
of oil stored near vital cabling, smoking in No Smoking Area.
JACKIW, I. N., BROWN, C. H., KNOP, R. C. Region 3, Chicago, Office of
the Director. 78/10/30 6pp.

7811010067 Forwards IE Inspec Repts #50-254/78-19 & #50-265/78-20 on
780713-14, 780719-20, 780726-27, 780802-03, & 780810-11, during
which no items of noncompliance were noted.
FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support
Branch. 78/09/19 2pp 94290:103.

--7811010076 IE Inspec Repts#50-254/78-19 & #50-265/78-20 on 780713-14
780719-20, 780726-27, 780802-03, & 780810-11, during which no
items of noncompliance were noted. Major areas inspected
included: plant oper & out-of-svc activities.
JACKIW, I. N., KNOP, R. C. Region 3, Chicago, Office of the Director.
78/09/18 6pp 94290:105.

7811080077 Forwards IE Inspec Repts#50-254/78-20 & #50-265/78-21 on
780822-25, 29, 0901 during which no items of noncompliance
were noted.
DAVIS, A. D. Region 3, Chicago, Fuel Facility & Materials Safety
Branch. 78/10/02 2pp 94271 124

--7811080080 IE Inspec Repts#50-254/78-20 & #50-265/78-21 on 780822-25,
29, 0901 during which no items of noncompliance were noted.
Major areas inspected included radioactive waste sys,
effluent releases & effluent control instru
HUETER, L. J., FISHER, W. L. Region 3, Chicago, Fuel Facility &
Materials Safety Branch. 78/10/02 11pp

7810110293 Ack receipt of 780901 ltr informing NRC of steps taken to
correct violations noted in 780910 NRC ltr
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/10/03
2pp 0356 074

7811070002 Ack receipt of 781006 ltr informing NRC of steps taken to
correct violations noted in 780920 Notice of Violation.
HIND, J. A. Region 3, Chicago, Safeguards Branch. 78/10/27 1p
94037 072

7812050011 Forwards IE Inspec Repts#50-010/78-29, 50-237, -254, -293, -304/
78-25, 50-249/78-27 & 50-265/78-26 on 781002 during which no
items on noncompliance were noted.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/10/30
2pp.

7812060225 Forwards IE Inspec Repts#50-254/78-24 & 50-265/78-23 on
781004-06 during which no items of noncompliance were
noted.
HEIGHMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering
Support Branch. 78/10/31 2pp 94382:174.

--7812060230 IE Inspec Repts#50-254/78-24 & #50-265/78-23 on 781004-06
during which no items of noncompliance were noted. Major
areas inspected incl: IE Bulletins & Circular followup
relative to qual of elec equip.
HUGHES, J., SPEBBARD, R. L. Region 3, Chicago, Office of the
Director. 78/10/31 6pp 94382:176.

781150063 Forwards IE Circular 78-18
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/11/06
1p.

7812060020 Responds to 781031 NRC ltr re violations noted in Inspec
Repts#50-254/78-21 & #50-265/78-22. Corrective actions: areas
req housekeeping were cleaned, no smoking rules enforced,
procedure GAP 200-13 is being rev.
REED, C. Commonwealth Edison Co. 78/11/20 2pp 94415:333.

7812050287 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12
w/encl AND. 7811300055
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/11/24
1p.

7812260292 Ack receipt of 781120 ltr informing NRC of steps taken to
correct violations noted in 781031 NRC ltr.
FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support
Branch. 78/12/14 1p 94160:045.

7812290026 Forwards IE Bulletin 78-14.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/12/19
1p.

R. Periodic operating reports & related correspondence

7810250111 Monthly performance rept for Sept 1978 includes maint
summary, average daily unit pur level, refueling info request
& LER's.
* Commonwealth Edison Co. * Iowa-Illinois Gas & Electric.
78/09/30 25pp 94368:332.

7811220031 Forwards Monthly Operating Rept for Oct 1978
KALIVIANAKIS, N. Commonwealth Edison Co. 78/11/09 1p 94309:010

--7811220033 Monthly Operating Rept for Oct 1978.
* Commonwealth Edison Co. 78/10/30 30pp 94309:011.

7812200235 Forwards Monthly Oper Rept for Aug, Sept, Oct 1978, correcting
mistakes made in Aug & Sept Average Daily Unit Pur Level
Rept & in the Sept & Oct Operating Data Repts.
KALIVIANAKIS, N. Commonwealth Edison Co. 78/11/28 1p 94162:325.

--7812200241 Monthly Oper Rept for Aug, Sept, Oct 1978. Corrections are
circled in red.
HANNUM, D. Commonwealth Edison Co. 78/11/08 6pp 94162:326

7812200188 Monthly Oper Regt for Nov 1978
Iowa-Illinois Gas & Electric 78/11/30 26pp 94149.314.

B Reportable occurrences, LERs & related correspondence

7810170198 Forwards LER#78-030/03L-0
KALIVIANAKIS,N Commonwealth Edison Co 78/09/26. 1p 94411.258

--7810170202 LER#78-030/03L-0 on 780831 Main Steam Line Radiat Monitor
2-1705-2D, failed in a downscale condition. Caused by instru
drift enhanced by an elevated chassis ambient oper temp
Commonwealth Edison Co 78/09/26 3pp 94411.259

7810170172 Forwards LER#78-031/03L-0
KALIVIANAKIS,N Commonwealth Edison Co. 78/09/29 1p 94270.032

--7810170180 LER#78-031/03L-0 on 780910 during test, the 2-203-3rMDIV
failed to give a half scram in reactor protect sys channel
"B". due to equip failure Inspec & adjusted actuator arm
CLARK, D. Commonwealth Edison Co 78/09/29. 3pp 94270.033

7811240222 Forwards LER#78-032/03L-0
KALIVIANAKIS,N Commonwealth Edison Co 78/10/20 1p 94458.219

--7811240224 LER#78-032/03L-0 on 780927 Unit 2 Main Steam Target Rock
Pressure Relief Valve#2-203-3A failed to open while
performing test Caused by broken air line to valve's manual
air operator
REED,M Commonwealth Edison Co 78/10/20 3pp 94458.220

7811240192 Forwards LER#78-033/03L-0
KALIVIANAKIS,N. Commonwealth Edison Co. 78/10/26 1p. 94458.312.

--7811240193 LER#78-033/03L-0 on 780930 during routine snubber
surveillance Inspec. 2 snubbers were found to be inoperable.
Both Mark 183 & Mark 175 snubbers failed due to hydraulic
leakage thru hardened O-rings.
KOPACZ Commonwealth Edison Co. 78/10/26. 2pp. 94458.313

7811070118 Notifies NRC that average release rate for radioactive mate
w/half-lives greater than 8 days between 780701 & 780930 was
2.03 times Tech Spec 3.8.B.3 C11 design objective. Eval of
elevated main chimney release rate has started
KALIVIANAKIS,N Commonwealth Edison Co 78/10/30 2pp. 944043.319

7811240203 Forwards LER#78-034/03L-0
KALIVIANAKIS,N Commonwealth Edison Co. 78/10/30 1p. 94458.346

--7811240204 LER#78-034/03L-0 on 781002 while performing procedure 0TB
130-4, Control Rod Drive Scam Timing control rod N-10(50-39)
failed to scram upon receiving a test signal from panel 902-
16 Caused by failure of 118 scram solenoid valve
TLETZ,O Commonwealth Edison Co 78/10/30. 2pp. 94458.347

7811240239 Forwards LER#78-035/03L-0.
KALIVIANAKIS,N Commonwealth Edison Co. 78/11/01 1p 94458.246.

--7811240241 LER#78-035/03L-0 on 781004 Unit 2A reactor vent radiat
monitor & 2A refueling floor radiat monitor started
spurious spiking. Caused by faulty pwr supply common to
both 2A monitors. Pwr supply replaced w/spare monitor.
WILLENBEN,B Commonwealth Edison Co 78/11/01. 3pp. 94458.247.

7811240153 Forwards LER#78-036/03L-0.
KALIVIANAKIS,N. Commonwealth Edison Co. 78/11/03 1p. 94456.255

--7811240156 LER#78-036/03L-0 on 781016 #1 core spray low-low level
initiation switch failed to trip at proper setpoint, caused
by instru drift.
BWALEB,J. Commonwealth Edison Co. 78/11/03 3pp. 94456.256

DOCKET 80-266 POINT BEACH NUCLEAR PLANT, UNIT 1

F. Security, medical, emergency & fire protection plans

7811150167 Forwards copies of Rev#B to Emergency Plan Manual
BURSTEIN,B. Wisconsin Electric Power Co. 78/11/06. 2pp.
94223.001.

--7811150173 Rev#B to Emergency Plan Manual covering reporting of radiat
incidents & emergencies to Reg agencies, med assistance,
minor radiat incidents, major radiat emergencies & gen health
physics procedures.
Wisconsin Electric Power Co. 78/09/15. 22pp. 94223.003.

7812260169 Forwards Rev#9 to Emergency Plan Manual for subJ facil to
to replace outdated pages of Manual
BURSTEIN,B Wisconsin Electric Power Co 78/12/14 2pp
94189.294

--7812260172 Rev#9 to Emergency Plan Manual for subJ facil replacing
outdated pages of Manual
Wisconsin Electric Power Co. 78/12/14 9pp 94159.296

G Adjudicatory correspondence

7810110017 Interrogatories propounded to Applicant re environ & safety
aspects of proposed facil
Affiliation Unknown 78/09/27 12pp

7810110018 NRC Staff First set of Interrogatories to & Request for the
production of documents from Bt of WI Case involves amend
to Lic#DPR-24 & 27 re increased spent fuel storage capacity
BERSON,B A Office of the Executive Legal Director 78/09/29
13pp

7810110023 NRC Interrogatories to & request for production of documents
from Intervenor Lakeshore Citizens for Safe Energy Admitted
contentions also submitted.
BERSON,B A Office of the Executive Legal Director 78/09/29
39pp 94063.091

7810110072 NRC Staff Interrogatories to & request for the production of
documents from applicant per 10CFR2 7406 re amend to lic
#DPR-24 & DPR-27 Admitted contentions also submitted.
BERSON,B A. Office of the Executive Legal Director 78/09/29
14pp 94061.116

7810130225 Submission of interrogatories by applicant WIEP to
Intervenor Lakeshore Citizens for Safe Energy
Interrogatories addressed to contentions contained in
Intervenor's amended contentions
TROWBRIDGE,Q F Shaw, Pittman, Potts & Trowbridge 78/10/02. 6pp
94061.345

7810190085 Interrogs asked of NRC Staff by Bt of WI Interrogs pertain
to staff's position re tech merit of each intervenor
Intervenor Citizens for Safe Energy's admitted contentions
LAFOLLETTE,B C , WALSH,P Wisconsin, State of 78/10/02 3pp
94006.319

--7810190088 Interrogs asked of applicant WMPU by Bt of WI pertaining to
maint of spent fuel pool in particular, danger from radiat
emission & exposure
WALSH,P Wisconsin, State of 78/10/02 10pp

7810230326 Applicant, WI Elec Pwr, objections to interrogs submitted
by Intervenor, Lakeshore citizens for safe energy, are stated.
Objections based on Interrog's reliance on contentions that
were rejected by ABLB or are still being argued.
TROWBRIDGE,Q F Shaw, Pittman, Potts & Trowbridge 78/10/12. 6pp
94198.179

7810260222 NRC advises NADLB that issuance of BER & environ assessment
will be delayed until Dec 1978 due to reordering of NRC tech
staff's priorities w/respect to review efforts on pending
apple Delay has been discussed w/applicant's representative.
BERSON,B A. Office of the Executive Legal Director 78/10/17. 1p
94058.185

7811200275 "Lakeshore Citizens for Safe Energy Responses to the NRC
Staff's First Set of Interrogs." Urges evaluation of
Airborne emissions which add to existing background radiat
Cert of Bvc encl.
BCHAEFER,W. Lakeshore Citizens for Safe Energy. 78/10/25 22pp.
94250.288

7811200268 "Lakeshore Citizens for Safe Energy Responses to the WI Elec
Pwr Co's First Set of Interrogs." Defines "increased worker
activity" re spent fuel pool activities
EBTED,J Lakeshore Citizens for Safe Energy. 78/10/26 4pp
94250.271.

7811150262 "Applicant's Answers to Interrogs Propounded by Intervenor
on 780927." Cert of Bvc encl.
NEWTON,R A. Wisconsin Electric Power Co. 78/10/27. 61pp.
94273.167.

7811150089 Answer by NRC Staff to Interrogs of Bt of WI re contentions
of Lakeshore Citizens for Safe Energy who oppose amends to
lics for subJ facil concerning increase in spent fuel
storage capacity. Affidavits & Cert of Bvc encl.
BERSON,B A. Office of the Executive Legal Director 78/11/01.
58pp. 94113.208.

on 781002 recommend to lics for subf facil to increase spent fuel storage capacity. Supporting documentation & Cert of Svc encl.
NEWTOM, R. A. Wisconsin Electric Power Co. 78/11/01. 3pp.
94449:201.

7812040344 Forwards Affidavits of CM Trammell & FM Altmeter of NRC Staff.
BERSON, B. A. Office of the Executive Legal Director. 78/11/08. 4pp.
94131:011.

7812050049 Applicant's answers to 780929 NRC interrgs re amend to LicOPR-24 & WOPR-27. Increasing Spent Fuel Storage Capacity. W/list of names, background & professional quals of witnesses & answers re potential incremental airborne releases.
NEWTOM, R. A. Wisconsin Electric Power Co. 78/11/08. 23pp.
94334:188

7812140359 Swears that listed persons have been authorized by intervenors LACBE to respond to interrgs submitted by NRC Staff & applicant WIEP re LACBE contentions.
BAST, S. A. Lakeshore Citizens for Safe Energy. 78/11/13. 1p.
03557:233.

7812270050 St of WI's Answers to NRC Staff's first set of interrgs & request for production of documents. St has not yet located qualified witnesses re admitted contentions. Cert of Svc encl.
WALSH, P. Wisconsin, State of. 78/11/14. 3pp. 94160:261.

7812040183 Dismisses Contentions#4 of intervenors, sustains objections raised by applicant WIEP to intervenors' Contentions#10 & intervenors' interrgs re their Contentions#9. Contentions concern security plans & health care plans.
MILLER, M. E. Atomic Safety and Licensing Board Panel. 78/11/17. 4pp. 94457:081.

7812080175 Gives notice that effective 781122, B Berson withdraws as NRC representative in proceeding re subf facil Certificate of Svc encl.
BERSON, B. A. Office of the Executive Legal Director. 78/11/17. 3pp.
94107:255.

7812270452 Intervenor request NASLB for leave to w/draw Intervenor. WEPDO, NRC staff & St of WI move NASLB to enter order to approve w/drawal of Intervenor as party & enter Order dismissing proc. Agreement & Cert of Svc encl.
BAST, S. A. Lakeshore Citizens for Safe Energy. BARTH, C. A. Office of the Executive Legal Director. CHURCHILL, B. W. Wisconsin Electric Power Co. 78/12/13. 9pp. 94016:008

H. General correspondence

7812140368 Requests copies of NUREG-0410 & NUREG-0471.
BURST, B. A. Lakeshore Citizens for Safe Energy. 78/11/13. 1p.
03557:234.

F. Operating license stage documents & correspondence

7810290016 Request for addl info re expansion of spent fuel pool storage capacity, which will req on-site neutron attenuation testing of boron plates that are to be in pool, removal of which will req special rept to NRC.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/03. 3pp.

7810170133 Responds to 780913 ltr requesting sched for submittal of rev ECCS cooling performance analysis. Submittal of completed ECCS analysis to NRC will be on or before 790112. Analysis will use new Westinghouse ECCS eval model.
BURSTEIN, S. Wisconsin Electric Power Co. 78/10/10. 1p. 94236:088.

7810230272 Forwards responses to requests for addl info re spent fuel storage expansion plans for subf facil. Discusses fuel loading limit, radiat dose in Boraflex plate, thickness of stainless steel inner can, fuel region dimension.
BURSTEIN, S. Wisconsin Electric Power Co. 78/10/10. 44pp.
94167:136.

7810190130 Forwards copy of 780510 ltr from subf facil to Univ of WI.
COLLINS, P. F. Operator Licensing Branch. 78/10/11. 1p. 94414:027.

--7810190133 Requests copy of 780510 ltr be sent to Univ of WI. Ack 780609 ltr to WI Elec has been placed in Univ of WI.
JACOBSON, N. Affiliation Unknown. 78/09/25. 1p. 94414:028.

Requal Prog Nine examinations were regraded IAW conversations of 780420 & 21. Results of the regrading are attached. Regraded scores will be used as record scores.
REED, G. A. Wisconsin Electric Power Co. 78/05/10. 6pp.
94414:029.

7810190101 Outlines agreement reached re proposed use of rod banks swap measurement technique to confirm adequate reactor shutdown capability. Technique to be used for subf facil only. Further use must obtain NRC generic approval.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/12. 4pp. 94413:272.

7810310016 Summarizes meeting on 780929 re Westinghouse rod bank swap measurement prog.
ROSENTHAL, J. E. Reactor Safety Branch (Pre 791030). 78/10/13. 4pp.
94094:326.

7811170297 Forwards rough draft workingpapers on subf facil amended Security Plan, intended solely for use of JR Berggren. Comments withheld from public disclosure pursuant to 2.790.
ROSE, D. O. Los Alamos Scientific Laboratory. 78/11/01. 3pp.
02766:230.

7811130203 Forwards Tech Spec change Request 56 to DPR-24 & DPR-27. Tech Spec 15.3.15 "Overpressure Mitigating Sys Oper." encl outlining functional requirements & limiting conditions for oper re pressurizer pur operated relief valve.
BURSTEIN, S. Wisconsin Electric Power Co. 78/11/02. 16pp.
03554:001.

7811140124 Forwards reactor matls surveillance capsule test repts for subf facil. Conservatism in the curves used to predict the change in transition temp as a function of fluence is clearly demonstrated by the results.
BURSTEIN, S. Wisconsin Electric Power Co. 78/11/08. 3pp.
94383:113.

--7811140131 "Analysis of Capsule T from WI Elec Pur Co Facility Reactor Vessel Radiation Surveillance Program."
DAVIDSON, J. A., ANDERSON, S. L., SHOOAN, R. P. Westinghouse Electric Corp. WCAP-9331. 78/08/31. 57pp. 94383:117.

--7811140133 "Analysis of Capsule R from WI Elec Pur Co Facility Reactor Vessel Radiation Surveillance Program."
VANICHKO, S. E., ANDERSON, S. L. Westinghouse Electric Corp. WCAP-9357. 78/08/31. 62pp. 94383:176.

7812150203 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. W/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 3pp.

7812190060 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
GRIMES, E. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94215:095.

7812010225 Requests amend to Facil Oper Lic to incorp changes to Tech Specs. Changes consist of rev to reactor coolant sys heating & cooldown limitation curves for oper of subf facil. W/check for \$4,400.00.
BURSTEIN, S. Wisconsin Electric Power Co. 78/11/16. 6pp.
94409:326.

7812080229 Withdraws unnecessary requests for relief re Residual Heat Removal Pumps, Containment Spray Pumps, Turbine Driven Auxiliary Feedwater Pump, Elec Auxiliary Feedwater Pumps. Forwards rev pages of periodic pump & valve test plan.
BURSTEIN, S. Wisconsin Electric Power Co. 78/11/20. 9pp.
94012:050.

7812130008 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND
7812080207.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/28. 6pp. 94209:230.

7812090101 Forwards results of startup physics testing at subf facil, in particular rod worth data. Data shows that the acceptance criterion was met. Preliminary repts indicating that 2 review criteria were exceeded are incorrect.
WILSON, T. R. Wisconsin Electric Power Co. 78/11/30. 19pp.
94339:288.

7812210320 Forwards request for addl info re subj facil expansion of
Spent Fuel Storage capacity
SCHWENGER, A. Operating Reactors Branch 1 (Pre 790625). 78/12/06.
3pp. 03556.104

7812270389 Responds to 781113 request & encl "Generic Task Problem
Descriptions"(NUREG-0471) & "NRC Prog for Resolution of
Generic Issues Related to Nuc Pur Plants"(NUREG-04101).
W/o encl.
BARTH, C. A. Office of the Executive Legal Director 78/12/06 1p.
94229.286

7812280060 Emphasizes importance of submitting accurate & complete info
to NRC by licensees & applicants. Info submitted must be
substantiated by data & calculations. Licensee must notify
NRC of any inaccuracies or enforcement action will result.
DAVIS, J. Q. Office of Inspection & Enforcement. Office of the
Director. 78/12/06. 2pp. 94089.360.

7812290110 Ack receipt of 781116 appl for amend to Lic#DPR-24 & 27
Requests addl \$3600 lic fee
DUGGS, R. H. License Fee Management Branch. 78/12/20 1p
94191.358.

G. Inspection reports, IE Bulletins & correspondence

7810130034 Ack receipt of 780911 ltr informing NRC of steps taken to
correct violations noted in ltr of 780822 re noncompliance
& rev of adequacy of the weld repair
KEPPLER, J. Q. Region 3, Chicago, Office of the Director 78/10/05.
1p. 94421.026

7810190079 Forwards IE Inspec Repts #50-266/78-14 & #50-301/78-18 on
780822-25. Notice of Violation w/hold pursuant to 10CFR2.790
HIND, J. A. Region 3, Chicago, Safeguards Branch. 78/10/10. 2pp.
94007.023

7810230322 Forwards IE Circular#78-17 (See AND: 7810230221, Docket
50-313, 781013)
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/10/13.
1p. 94181.355.

7811210415 Forwards IE Inspec Repts#50-266/78-15, #50-301/78-20 on
780911-15 during which no items of noncompliance were noted
FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support
Branch. 78/10/16 2pp. 94483.132.

--7811210436 IE Inspec Repts#50-266/78-15, #50-301/78-20 on 780911-15
during which no items of noncompliance were noted. Major
areas inspected included plant oper, procurement, nonroutine
event & safety injection reset procedures
CHOULEB, N. C., HUGHES, J., WARNICK, R. F. Region 3, Chicago, Office of
the Director. 78/10/16 11pp. 94482.134

7811290333 Forwards IE Inspec Rept#50-266/78-17 on 781003-05 during
which no items of noncompliance were noted.
FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support
Branch. 78/10/23. 2pp. 94193.324.

--7811290336 IE Inspec Rept#50-266/78-17 on 781003-05 during which no
items of noncompliance were noted. Major areas inspected
incl: preparation for refueling outage, prefuel handling
activities, fuel handling activities.
MENNINO, J. E. Region 3, Chicago, Office of the Director. 78/10/23
4pp. 94193.326.

7811070374 Responds to IE Bulletin#78-12 dtd 780929 re atypical weld
matl in Reactor Pressure Vessel welds. Vessels in subj facil
antedate the atypical matl, so the matter does not apply.
BURSTEIN, S. Wisconsin Electric Power Co. 78/10/26. 6pp.
94043.265.

7811060072 Notice of Violation-failure to rept a significant fish kill-
appended to 780612 ltr is retracted. Thirty six fish killed
is not significant to warrant a rept.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/10/31.
1p. 94423.334.

7812060174 Forwards IE Inspec Rept#50-266/78-19 on 781002-04 during
which no items of noncompliance were noted.
HEIBMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering
Support Branch. 78/10/31. 2pp. 94382.085.

--7812060178 IE Inspec Rept#50-266/78-19 on 781002-04 during which no
items of noncompliance were noted. Major areas inspected
incl: QA/QC prog, implementing procedures, work activities &
records relative to steam generator tube inspec.
WARD, K. D., DANIELSON, D. H. Region 3, Chicago, Office of the
Director. 78/10/31. 9pp. 94382.087.

7811190071 Forwards IE Circular 78-18
KEPPLER, J. Q. Region 3, Chicago, Office of the Director 78/11/06
1p. 94112.272

7812140141 Forwards IE Inspec Rept#50-266/78-20 on 781013-14 during
which no items of noncompliance were noted
FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support
Branch. 78/11/13. 2pp. 94103.105.

--7812140147 IE Inspec Rept#50-266/78-20 on 781013-14 during which no
items of noncompliance were noted. Major areas inspected
incl: measurement of control bank worth by boron dilution &
of control & shutdown bank worth.
KOHLE, J. E., CHOW, E. T., STREETER, J. F. Region 3, Chicago, Reactor
Operations Nuclear Support Branch. 78/11/13. 3pp. 94103.107.

7812210120 Forwards IE Inspec Rept#50-266/78-16 on 781012-13 during
which no items of noncompliance were noted
HEIBMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering
Support Branch. 78/11/17. 2pp. 94269.302.

--7812210131 IE Inspec Rept#50-266/78-16 on 781012-13 during which no
items of noncompliance were noted. Major areas inspected
incl: safety related pipe snubbers incl review of prog &
procedures
YIN, I. T., DANIELSON, D. H. Region 3, Chicago, Office of the
Director 78/11/16. 4pp. 94269.304

7812290068 Forwards IE Inspec Repts #50-266/78-22 & #50-301/78-23 on
781017-20 during which no items of noncompliance were noted
FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support
Branch. 78/11/22 2pp. 94190.047.

7812290074 IE Inspec Repts #50-266/78-22 & #50-301/78-23 on 781017-20
during which no items of noncompliance were noted. Major
areas inspected incl: calibr & surveillance of safety
related components and equip.
STREETER, J. F., SMITH, J. D. Region 3, Chicago, Reactor Operations
Nuclear Support Branch. 78/11/20. 5pp. 94190.049.

7812050271 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12
w/encl AND: 7811300055.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/11/24
1p. 94202.218.

7812290022 Forwards IE Inspec Rept#50-266/78-21 & #50-301/78-22 on
781023-26 during which no items of noncompliance were noted.
FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support
Branch. 78/11/24. 2pp. 94207.352.

--7812290032 IE Inspec Repts#50-266/78-21 & #50-301/78-22 on 781023-26
during which no items of noncompliance were noted. Major
areas inspected incl: quality assurance prog, records,
nonroutine event Followup & noncompliance Followup.
CHOULEB, N. C., WARNICK, R. F. Region 3, Chicago, Reactor Operations
Nuclear Support Branch. 78/11/21. 6pp. 94207.354.

7812130101 Requests addl info for review of 770520 request relating to
insvc Inspec prog. Requests response w/in 45 days
SCHWENGER, A. Operating Reactors Branch 1 (Pre 790625) 78/12/04.
4pp. 94294.329.

7812280036 Forwards IE Bulletin 78-14.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/12/19.
1p. 94133.216

R. Periodic operating reports & related correspondence

7810170171 Forwards Monthly Oper Rept for Sept 1978
BURSTEIN, S. Wisconsin Electric Power Co. 78/10/09. 1p. 94270.036

--7810170173 Monthly Oper Rept for Sept 1978
* Wisconsin Electric Power Co. 78/10/09. 9pp. 94270.037.

7811140174 Forwards Monthly Oper Rept for Oct 1978.
BURSTEIN, S. Wisconsin Electric Power Co. 78/11/08. 1p. 94384.234.

--7811140178 Monthly Oper Rept for Oct 1978.
* Wisconsin Electric Power Co. 78/11/03. 10pp. 94384.235.

7812120085 Forwards Monthly Oper Rept for Nov 1978.
BURSTEIN, S. Wisconsin Electric Power Co. 78/12/08. 1p. 94274.181.

--7812120087 Monthly Oper Rept for Nov 1978.
* Wisconsin Electric Power Co. 78/12/05. 9pp. 94274.182.

7810180043 Forwards LER#78-012/01X-0.
BURSTEIN, B. Wisconsin Electric Power Co. 78/09/12. 1p. 94422:036.

--7810180046 LER#78-012/01X-0 on 780627: during visual inspect of fire barrier penetration seals, horizontal seals found to be constructed differently than specified. Error due to change in constr drawings. No reportable item exists.
BURSTEIN, B. Wisconsin Electric Power Co. 78/09/07. 1p. 94422:037.

7810180038 Forwards LER#78-014/01T-0.
BURSTEIN, B. Wisconsin Electric Power Co. 78/10/04. 1p. 94422:030.

--7810180040 LER#78-014/01T-0 on 780920: primary-to-secondary leakage noted during normal oper. Caused by 2 leaking tubes & 1 leaking plug on inlet side of the "A" steam generator tubes will be plugged & plug will be weld repaired.
BURSTEIN, B. Wisconsin Electric Power Co. 78/10/04. 2pp. 94422:051.

7811240149 LER#78-010/01T-1 on 780528: Indication of primary-to-secondary leak of 145 GPD in the "A" SG was noted on 780324. Source of leak due to failure of tube at position R44C33. Tube plugged & unit returned to svc.
BURSTEIN, B. Wisconsin Electric Power Co. 78/10/23. 2pp. 94456:250.

7811240193 Forwards LER#78-015/01T-0
BURSTEIN, B. Wisconsin Electric Power Co. 78/10/23. 1p. 94456:270.

--7811240198 LER#78-015/01T-0 on 781009: snubber on pressurizer relief line was found inoperable. Orinell Model #HS-17, 2 1/2 inch x 3 inch bore & stroke snubber failed for undetermined cause. Snubber replaced & surveillance prog expanded.
BURSTEIN, B. Wisconsin Electric Power Co. 78/10/23. 2pp. 94456:271.

7812110189 LER#78-016/01T-0 on 781106: turbine runback resulted from safeguards bus tie breaker trip. Westinghouse Model CV-7 undervoltage relay on bus breaker tripped causing breaker to open. No line voltage surges detected.
BURSTEIN, B. Wisconsin Electric Power Co. 78/11/17. 2pp. 94408:040.

7812180217 LER#78-073/03L on 781121: failure to submit RD 50-366/78-35 w/in 30 days. Caused by Deviation Rept 2-78-79 not received by responsible dept head nor superintendent of Plant Engr Svcs. Personnel were reminded of procedures.
GREENE, T.V. Georgia Power Co. 78/12/11. 2pp. 94365:076.

7812180393 LER#78-015/01T-0 on 781009: snubber #3221 inoperable caused by Orinell model #HS-17 bore & stroke snubber not locking when specified load rate was applied. Snubber replaced & surveillance prog expanded.
GREENWOOD, J. Wisconsin Electric Power Co. 78/10/10. 1p. 94486:049.

DOCKET 50-267 FORT ST. VRAIN NUCLEAR GENERATING STATION

B. Utility Preliminary Safety Analysis Report, amends

7811240234 BAR re use of U Carbide (UC2) Fuel Particles in Fort St Vrain Fuel Elements. Topical rept re future reload fuel segments.
* General Atomic Co. (subs. of Gulf Oil Co.). 78/09/30. 29pp.

E. NRC Safety Evaluation Report (SER), suppl & correspondence

7811240226 Forwards Safety Rept for instru control rod drive & orifice assemblies.
MILLEN, C.K. Public Service Co. of Colorado. 78/11/17. 3pp. 94458:178.

--7811240228 Safety analysis rept for installation of instru control rod drive & orifice assemblies during fuel outage in 790101, remaining in core until second refueling. Oversize drawings available in Central Files.
* Public Service Co. of Colorado. 78/11/17. 22pp. 94458:181.

F. Security, medical, emergency & fire protection plans

7810170174 Fire protec prog rev in response to branch tech position 9.5-1.
FULLER, J.K. Public Service Co. of Colorado. 78/10/13. 1p. 94226:022.

7811160096 Forwards rev pages & sec 4 for rept entitled "Fire Protec Prog Review For Nuc Generating Station in Response to Branch Position 9.5-1." dtd 781013.
FULLER, J.K. Public Service Co. of Colorado. 78/11/13. 88pp. 94139:001.

7812220062 Forwards Appl for Amend to Append A of Facil Oper Lic#DPR-34 changing Tech Specs for Fire Protec in areas of Helon Fire Suppression Sys for Control Room, Smoke Detectors & Alarms & Fixed Water Spray Sys.
MILLEN, C.K. Public Service Co. of Colorado. 78/12/11. 2pp. 94342:265.

--7812220069 Appl for amend to Append A of Facil Oper Lic#DPR-34, changing Tech Specs for Fire Protec Sys re Helon Fire Suppression Sys & Smoke Detectors & alarms for control room & cable areas & fixed water spray sys for auxiliary elec room.
MILLEN, C.K. Public Service Co. of Colorado. 78/12/11. 6pp. 94342:267.

H. General correspondence

7812280274 Forwards info re reactor & HTOR concept in gen requested for high school debating purposes in 781128 ltr. W/encl summary of 781103-04 meetings re subj facil, HTOR lic criteria, & postulated accidents & safety res needs.
DENTON, H.R. Office of Nuclear Reactor Regulation, Director. 78/12/18. 100pp. 94347:207.

--7812280277 Requests info on subj facil & HTOR concept in gen for high school debate topic re energy independence.
OERLACH, D. Affiliation Unknown 78/11/28. 1p. 94347:209.

K. Utility Final Safety Analysis Report (FSAR) & amends

7811240232 Forwards copy of "Safety Analysis Rep. Use of UC2 Fissile Fuel Particles in Fort St Vrain Fuel Elements."
Requests review be completed by 790215.
WEBBMAN, O.L. General Atomic Co. (subs. of Gulf Oil Co.). 78/11/17. 2pp. 94461:360.

D. Advisory Committee on Reactor Safeguards reports & correspondence

7810230382 Comments on 780804 NRC Staff presentation re facil core PWR oscillations. Surprised to find that little more is known on the matter now than was known in Nov 1977.
LIPINIKI, H.C. Argonne National Laboratory. 78/08/14. 2pp. 94193:172.

P. Operating license stage documents & correspondence

7810100005 Describes Post Irradiation Surveillance Prog for proposed test & standard fuel elements of subj facil reactor.
FULLER, J.K. Public Service Co. of Colorado. 78/06/20. 2pp. 94033:026.

7810100012 Statement that "gamma scan to determine distribution of fission product & core power" was included by mistake in on-site examination description for PIE Prog. The gamma scan will be conducted on a selective basis.
FULLER, J.K. Public Service Co. of Colorado. 78/06/23. 1p. 94033:020.

7810110136 Advises PBC wishes to discuss improving NRC response to matters re subj facil & proposed open meeting re lic matters in Denver area at 781011 meeting. W/att listing of correspondence re proposed mods to subj facil Tech Specs.
FULLER, J.K. Public Service Co. of Colorado. 78/10/03. App. 94064:353.

7810120063 Forwards Appl for Amend to Appendix A of Facil Oper Lic#DPR-34.
MILLEN, C.K. Public Service Co. of Colorado. 78/10/05. 1p. 94418:383.

--7810120064 Appl for amend to Appendix A of Facil Oper Lic#DPR-34, changing Tech Spec to incorporate new fire water booster pumps installed to meet requirements of Sec 14.4.2.1 of FSAR.
MILLEN, C.K. Public Service Co. of Colorado. 78/10/05. App. 94418:354.

7810180141 Seeks to indirectly implement limiting steam generator module helium inlet temp variation by limiting allowable steam generator module outlet steam temp variations. Concerns fluctuation test at 70% of rated thermal pwr.
FULLER, J.K. Public Service Co. of Colorado. 78/10/05. 2pp. 94316:338.

acceptable & does not require Tech Spec changes or involve unreviewed safety question per 10CFR50.59.
FULLER, J.K. Public Service Co. of Colorado. 78/10/09. 3pp. 94236:011.

7810190014 Summary of meeting on 780929 w/Gen Atomic Co to discuss use of H-451 graphite in subj facil reactor. OAC's questions were resolved. Validation of computer codes used in analysis of stress or chem reactions not required for review.
WILLIAMS, P.M. Advanced Reactors Branch. 78/10/10. 4pp. 94322:356.

7810230165 In response to concerns re precautions which will be taken when primary sys is pressurized & reactor oper. until forwards prerequisites to surveillance test.
WAREHBOURD, D. Public Service Co. of Colorado. 78/10/12. 1p. 94164:263.

7810310094 Response to 780828 NRC ltr. PSC will not propose any mode of current prog at subj facil since plant oper thru Dec 1978 has not provided basis for determining mode. Asserts that use of ASME Section XI Draft 2 rules would not be practical.
FULLER, J.K. Public Service Co. of Colorado. 78/10/19. 3pp. 94091:298.

7811010207 Notice of Meeting on 781103 & 04 w/Pub Svc Co of Colorado to discuss subj facil fluctuations, oper & testing above 70% pwr & related items.
KUZMYCZ, Q. Division of Project Management. 78/10/19. 2pp. 94391:348.

7810230067 Submits responses to 8 NRC questions of 780818. This completes response to all NRC questions re reactor fluctuation testing at pwr levels above & below 70% rated thermal pwr. Requests release for oper by 781118.
FULLER, J.K. Public Service Co. of Colorado. 78/10/20. 42pp.

7810260205 Per request in NRC ltr of 781004, forwards comments re BNL PQX graphite test results. Concludes that results verify data base presently used to analyze extent & consequences of oxidation of core support blocks.
FULLER, J.K. Public Service Co. of Colorado. 78/10/20. 9pp. 94038:078.

7810310085 Forwards response to questions contained in 780922 NRC ltr re core inlet helium temp vs time transients generated by TAP code.
FULLER, J.K. Public Service Co. of Colorado. 78/10/25. 82pp. 94091:065.

7811130200 Forwards first part of QA's response to 780919 NRC questions re addl info on H-451 graphite. Responses to remaining questions will be submitted 781124.
WEBERMAN, O.L. General Atomic Co. (subs. of Gulf Oil Co.). 78/10/30. 56pp. 94077:001.

7811130001 Calibr & testing for all Class A, B & C instru has been completed. Instruments to be calibr &/or functionally tested prior to resuming oper after early Jan 1979 refueling outage.
BEYFRIT, M.V. Region 4, Dallas, Office of the Director. 78/11/01. 2pp. 94077:005.

7811160071 Forwards preliminary rept of oscillation testing at subj facil. On 781104 during testing mode under auspices of RT-500A limit (+/-30F) for steam generator module main steam temp was exceeded. Sequence of events encl.
WAREHBOURD, D. Public Service Co. of Colorado. 78/11/09. 4pp. 94133:141.

7811270211 Responds to 781025 ltr re review sched of H-451 graphite & thorium oxide fuel. Graphite review will be completed in Jan 1979, subj to acceptable responses by 781131 to addl info request. Thorium review is in acceptance phase, to end 781131.
GAMMILL, N.P. Assistant Director for Standard & Advanced Reactors. 78/11/13. 1p. 94272:170.

7811270134 Forwards Startup Rept#8 for subj facil covering the period 780522 to 780822.
WAREHBOURD, D. Public Service Co. of Colorado. 78/11/21. 1p. 94199:214.

--7811270156 Startup Rept#8 covering period 780522 to 780822 re Feedwater Flow Control, circulator speed control, main stream desuperheaters, load change response & control rod calibr.
* Public Service Co. of Colorado. 78/08/22. 104pp. 94199:215.

7812070186 Presents revised schedule to 781104 reactor refueling region outlet temp fluctuations, & reflecting 781116 discussions w/NRC Region restraint device installation delay. BAR should be ready by Jan 1979.
FULLER, J.K. Public Service Co. of Colorado. 78/11/27. 3pp. 94273:048.

7812080021 Notice of meeting w/PSC on 781214 to discuss data & conclusions re fluctuation test where steam temp limits were exceeded.
KUZMYCZ, Q. Advanced Reactors Branch. 78/11/30. 2pp. 94103:261.

7812110242 Summary of a 781116 meeting re fluctuations at facility. Description of sequence of events during fluctuations & preliminary data from 781104 events encl.
KUZMYCZ, Q. Advanced Reactors Branch. 78/11/30. 86pp. 94337:156.

7812110292 Responds to 780411 request for exemption to 10CFR21 requirements. Suggests that 781019 commission amend to 10CFR21 may eliminate need for such exemption.
DENTON, H.R. Office of Nuclear Reactor Regulation, Director. 78/12/01. 1p. 94204:030.

7812130164 Establishes new sched for action plan for identifying the instru trip settings & the absolute limiting values originally set out in ltr to NRC of 770920. Also details present status of prog.
MILLEN, C.K. Public Service Co. of Colorado. 78/12/05. 10pp. 94305:122.

7812280090 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIES, J.G. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 03555:305.

7812180321 Responds to FOIA request re environ impact statements submitted by Atlas Minerals Uranium Mill & addl records of subj facil. Copies will be placed in PDR in Greeley, Co.
FELTON, J.M. Division of Rules and Records. 78/12/11. 2pp. 94356:293.

--7812180323 Requests addl info re draft & final environ impact statements for Atlas Minerals Uranium Mills & worker health & safety info. Also requests info re control of reactor temp oscillations & mech vibrations.
PULB, M. Affiliation Unknown. 78/11/12. 2pp. 94356:295.

7812200164 Forwards corrected pages to 8th startup rept incl Module Main Steam Temp Trim Control, Load Change Response, Feedwater Flow Control & Deserator Level Control.
WAREHBOURD, D. Public Service Co. of Colorado. 78/12/15. 8pp. 94157:342.

7812270177 Forwards responses to questions raised at 781104 meeting & description of Firewater Booster Pump installation, design & results of functional tests after installation.
FULLER, J.K. Public Service Co. of Colorado. 78/12/18. 65pp. 01791:057.

7812270182 Summary of 781215 meeting of Tech Review Comm for Review of Temp Fluctuations in subj facil. Topics discussed incl comparison of displacement probe & nuc detector signals & info on core status.
FRY, D.N. Oak Ridge National Laboratory. 78/12/19. 17pp. 94017:342.

G. Inspection reports, IE Bulletins & correspondence

7810110304 Forwards IE Inspec Rept #50-267/78-13 on 780807 & Notice of Violation.
MADSEN, O.L. Region 4, Dallas, Office of the Director. 78/08/18. 2pp. 94061:001.

--7810110306 Notice of Violation from inspec on 780807-11.
* Region 4, Dallas, Office of the Director. 78/08/18. 1p. 94061:003.

--7810110308 IE Inspec Rept#50-267/78-13 on 780807-11 during which 1 of noncompliance was noted: failure to follow procedures re disposal of combustible & maint of recording equip.
DICKERSON, M.H. Region 4, Dallas, Office of the Director. 78/08/18. 8pp. 94061:004.

Correct violations noted during inspect#50-267/78-13.
MADSEN, O. L. Region 4, Dallas, Reactor Operations Nuclear Support
Branch. 78/09/19. 1p. 94068:244.

--781010264 Responds to 780818 NRC ltr re violation noted in Inspect
Rept#50-267/78-13 Corrective actions: continuous monitoring
of Admin Procedure requirements.
HILLEN, C. K. Public Service Co. of Colorado. 78/09/11. 1p.
94322:361.

7810230360 Forwards IE Circular#78-17. (See AND 7810230221 Docket
30-133.781013)
BEYFRIT, K. V. Region 4, Dallas, Office of the Director. 78/10/13
1p. 94169:189.

7812180328 Forwards IE Inspect Rept#50-267/78-16 on 781016-20 during
which no items of noncompliance were noted.
MADSEN, O. L. Region 4, Dallas, Reactor Operations Nuclear Support
Branch. 78/11/03. 2pp. 94357:320

--7812180331 IE Inspect Rept#50-267/78-16 on 781016-20 during which no
items of noncompliance were noted. Major areas inspected
incl: organization & admin. QA prog review. 70% pur level data
review & review of startup rept & LER's
DICKERSON, M. W., CUPP, E. A. Region 4, Dallas, Reactor Operations
Nuclear Support Branch. 78/11/03. 7pp. 94357:322

7811220121 Forwards IE Circular#78-18, "UL Fire Test." W/enc1
AND: 7811150002.
BEYFRIT, K. V. Region 4, Dallas, Office of the Director. 78/11/06.
1p. 94074:208.

7812190187 Forwards IE Inspect Rept#50-267/78-15 on 781016-19 during
which no items of noncompliance were noted.
MADSEN, O. L. Region 4, Dallas, Reactor Operations Nuclear Support
Branch. 78/11/08. 2pp. 94414:297.

--7812190193 IE Inspect Rept#50-267/78-15 on 781016-19 during which no
items of noncompliance were noted. Major areas inspected
incl: radwaste sys incl liquid & gaseous radioactive effluent
releases & record repts of effluents.
MURRAY, B. Region 4, Dallas, Office of the Director. 78/11/06.
7pp.

7812290239 Forwards IE Inspect Rept#50-267/78-18 on 78103007 during
which no items of noncompliance were noted.
MADSEN, O. L. Region 4, Dallas, Reactor Operations Nuclear Support
Branch. 78/11/28. 2pp. 94191:239.

--7812290244 IE Inspect Rept#50-267/78-18 on 781106-07 during which no
items of noncompliance were noted. Major areas inspected incl:
Emergency Planning Prog incl coordination w/offsite support
agencies.
MURRAY, B., HARRISON, H. C., BROWN, O. D. Region 4, Dallas, Reactor
Operations Nuclear Support Branch. 78/11/28. 4pp. 94191:241.

R. Periodic operating reports & related correspondence

7812180243 Forwards Monthly Oper Rept for July 1978.
SWART, F. E. Public Service Co. of Colorado. 78/08/23. 1p.
94358:354.

--7812180245 Monthly Oper Rept for July 1978.
HILLYARD, H. W. Public Service Co. of Colorado. 78/07/31. 8pp.
94358:355.

7810160103 Monthly Oper Rept for Sept 1978.
OAHM, J. W. Public Service Co. of Colorado. 78/10/01. 3pp.

7810160100 Forwards Monthly Oper Rept for Sept 1978.
WAREMBOURG, D. Public Service Co. of Colorado. 78/10/09. 2pp.
94001:336.

7811070234 Forwards Monthly Oper Rept for Oct 1978.
WAREMBOURG, D. Public Service Co. of Colorado. 78/11/02. 1p.
94039:181.

--7811070238 Monthly Oper Rept for Oct 1978.
OAHM, J. W. Public Service Co. of Colorado. 78/11/02. 3pp.
94039:182.

7812130163 Forwards Monthly Oper Rept for Nov 1978.
WAREMBOURG, D. Public Service Co. of Colorado. 78/12/04. 1p.
94305:138.

8 Reportable occurrences, LERs & related correspondence

7810300164 Forwards LER#78-029/03L-0
WAREMBOURG, D. Public Service Co. of Colorado. 78/09/27. 1p.
94034:134.

--7810300166 LER#78-029/03L-0 on 780829 during routine check of LCO
compliance, 1 emergency generator diesel oil day tank was
found to be below the 300 gallon level. Cause was fuel oil
pump transfer which does not start until 350 gallon level.
OAHM, J. W. Public Service Co. of Colorado. 78/09/27. 3pp.
94034:135.

7810300189 Forwards LER#78-018/03X-2.
WAREMBOURG, D. Public Service Co. of Colorado. 78/09/27. 1p.
94033:353.

--7810300194 LER#78-018/03X-2 on 780713 during period 780713-780908, t
primary coolant oxidants exceeded 10 O vpm w/core average
outlet temp greater than 1,200 degrees F. Source of moisture
ingress is undetermined. Reactor shut down.
OAHM, J. W. Public Service Co. of Colorado. 78/09/27. 10pp.

7810160131 Forwards LER#78-30/03L-0.
WAREMBOURG, D. Public Service Co. of Colorado. 78/10/03. 1p.
94005:306.

7810300179 Forwards LER#78-030/03L-0.
WAREMBOURG, D. Public Service Co. of Colorado. 78/10/03. 1p.
94034:225.

--7810300180 LER#78-030/03L-0 on 780912 5 hydraulic snubbers were fou
inoper due to empty oil reservoirs. Reservoirs were refilled
& surveillance interval adjusted.
OAHM, J. W. Public Service Co. of Colorado. 78/10/03. 4pp.
94034:226.

7810300309 Forwards LER#77-036/03L-1.
WAREMBOURG, D. Public Service Co. of Colorado. 78/10/03. 1p.
94271:115.

--7810300313 LER#77-036/03L-1 ON 771115 during normal oper, the reacto
was oper w/average core outlet temp greater than 12000 F &
w/ the sum of water, CO & CO2 primary coolant impurities in
excess of 10ppm/vol, caused by operator error.
OAHM, J. W. Public Service Co. of Colorado. 78/10/03. 8pp.
94271:116.

7810270228 Forwards LER#78-031/03L-0.
WAREMBOURG, D. Public Service Co. of Colorado. 78/10/24. 1p.
94033:242.

--7810270232 LER#78-031/03L-0 on 780923 during routine testing, 1 of
heating ventilation & air conditioning sys isolation dampers
for 480 volt switchgear room would not shut due to faulty
spring in damper jamming open actuating shaft.
OAHM, J. W. Public Service Co. of Colorado. 78/10/24. 4pp.
94033:243.

7810270276 Forwards LER#78-025/01-X-1.
WAREMBOURG, D. Public Service Co. of Colorado. 78/10/24. 1p.
94027:327.

--7810270283 LER#78-025/01X-1 on 780703 w/loss of pur so one of two
redundant pps logic sys circulator seal malfunction (buffer-
aid-buffer) trip of a helium circulator was inhibited, caused
by logic design problem.
OAHM, J. W., REED, A. Public Service Co. of Colorado. 78/10/24.
10pp. 94027:328.

7810310225 Forwards LER #78-032/03L-0.
WAREMBOURG, D. Public Service Co. of Colorado. 78/10/27. 1p.
94090:347.

--7810310230 LER #78-032/03L-0 on 780928, surveillance check of fixed
flow alarm bistables for primary coolant dew point moisture
monitors not performed. Later less than acceptable alarm
setpoints discerned. Cause: requirements misinterpreted.
OAHM, J. W. Public Service Co. of Colorado. 78/10/27. 4pp.
94090:348.

7811280285 Forwards LER#78-016/03X-1.
WAREMBOURG, D. Public Service Co. of Colorado. 78/11/22. 1p.
94393:236.

--781280289 LER#78-016/03X-1 on 780510 while oper at 40X pur. moisture concentrations in PCRV exceeded limits of 4.2.11 Moisture was introduced during previous Loop 1 shutdown & collected in PCRV insulation.
OAHM, J.W. Public Service Co. of Colorado. 78/11/22. App. 94395:237.

781280312 Forwards LER#78-033/03L-0
WAREMBOURG, D. Public Service Co. of Colorado. 78/11/22. 1p. 94395:310.

--781280318 LER#78-033/03L-0 on 781027: during routing surveillance of steam pipe rupture detection sys. one of three bistables for high temperature under PCRV did not trip. due to corroded cable terminal board at junction box.
OAHM, J.W. Public Service Co. of Colorado. 78/11/22. App. 94395:311.

781280389 On 781129 at 4:00 pm. due to problem in helium circulatory sys. there was a minute release of radioactivity in reactor bldg. No hazard to public.
GASCHLER, J.A. Public Service Co. of Colorado. 78/12/05. 1p. 94274:192.

7812130273 Discusses minor release of activity at subj facil on 781129. Breach in aftercooler of "B" helium buffer compressor let water enter gas side & circulate through buffer sys. which ultimately opened relief valve, letting 1 curie gas escape.
KUZMAY, C. Advanced Reactors Branch. 78/12/05. 3pp. 94291:324.

7812130135 Forwards LER#78-034/03L-0.
WAREMBOURG, D. Public Service Co. of Colorado. 78/12/06. 1p. 94307:063.

--7812130141 LER#78-034/03L-0 on 781107: during normal oper a release of reactor bldg sump effluent req cooling tower blowdown flow to increase above normal rate to 4.39 million gallons for the day. due to need to dilute sump effluent discharge.
OAHM, J.W. Public Service Co. of Colorado. 78/12/06. 3pp. 94307:064.

7812130190 Forwards LER#78-018/03X-3.
WAREMBOURG, D. Public Service Co. of Colorado. 78/12/06. 1p. 94306:024.

--7812130192 LER#78-018/03X-3 on 781009: primary coolant oxidant concentration exceeded 10ppm w/core average outlet temp greater than 1200 degrees F. Caused by accumulation of water in PCRV insulation.
OAHM, J.W. Public Service Co. of Colorado. 78/12/06. 8pp. 94306:023.

7812130172 LER#78-014/03L-0 on 781007: Control Rods 3 & 8 of Group 6 dropped at 0405 & 0413 respectively due to faulty normal pur supply fuse. Faulty fuse has been replaced.
WILSON, K.R. Duke Power Co. 78/12/07. 2pp. 94294:353.

7812130176 Forwards LER#78-005/03X-1.
WAREMBOURG, D. Public Service Co. of Colorado. 78/12/07. 1p. 94305:171.

--7812130179 Suppl info to ROM#90-267/78-05/03-X-1 on 781107: during oper at 13X thermal & 0 elec pur. one of three 1A circulator speed indication channels was at 0. due to bridge unbalance. Similar problem occurred 7 times since 780425.
FERRIS, M.J., OAHM, J.W., WAREMBOURG, D. Public Service Co. of Colorado. 78/12/07. 6pp. 94308:172.

--7812130185 LER#78-005/03X-1 on 781107: malfunctions in 1A, 1C & 1D circulator speed measurement caused loss of high speed circulator signals on different dates. due to elec circuit unbalance & signal cable resistance change in modifiers.
OAHM, J.W. Public Service Co. of Colorado. 78/12/07. 7pp. 94305:178.

7812200209 Forwards LER#78-035/03L-0.
WAREMBOURG, D. Public Service Co. of Colorado. 78/12/14. 1p. 94162:280.

--7812200210 LER#78-035/03L-0 on 781114: 4 of 6 high pur Rod W/drawal Prohibit trip points were set too high. Accepted test procedure voltage range permitted RHP to be set higher than Tech Specs allow.
OAHM, J.W. Public Service Co. of Colorado. 78/12/14. 4pp. 94162:281.

7812270201 Forwards LER#78-027/03X-1.
WAREMBOURG, D. Public Service Co. of Colorado. 78/12/20. 1p. 94017:213.

--7812270206 LER#78-027/03X-1 on 781204: ITT Barton Model 289 helium circulation seal malfunction pressure differential switches failed to activate at trippoint due to dirt accumulation in switches. Trip settings being checked on monthly basis.
OAHM, J.W. Public Service Co. of Colorado. 78/12/20. 6pp. 94017:214.

U. Congressional/Executive Correspondence

781220132 FOIA request for encl list of communications pertaining to subj facil.
HASKELL, F.K. Senate. 78/11/01. 3pp. 94074:260

781220128 Responds to 781101 FOIA request Forwards list of 23 documents related to subj facil.
PELTON, J.M. Division of Rules and Records. 78/11/15. 3pp. 94074:184

DOCKET 50-269 OCONEE NUCLEAR STATION, UNIT 1

A. Application/construction stage documents & correspondence

781150133 Notice of exemption from provisions of 10CFR30.46 for License DPR-3B. Although facility does not comply w/ requirements for ECCS, Tech Specs will provide protect against small break LOCA
BTELL, D.V. Division of Operating Reactors. 78/10/23. 8pp. 94272:272.

E. NRC Safety Evaluation Report (SER), supp & correspondence

7811030014 Supplements 780811 Safety Eval of subj facil Found LPSW sys piping arrangement acceptable. Deletes requirement to provide spare dedicated cables for LPSW sys pump motors.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/05. 2pp. 94351:247.

F. Security, medical, emergency & fire protection plans

7810180126 Forwards proprietary info consisting of Change#8 to Rev#5 of subj facil security plan. W/o proprietary info.
PARKER, W.Q. Duke Power Co. 78/10/06. 32pp

7810310008 Forwards Revision 2 of modified amended security plan (HASP). Encl withheld (ref 10CFR2.790).
PARKER, W.Q. Duke Power Co. 78/10/19. 2pp. 94093:360.

7811210032 Summary of 781025 meeting to discuss qual of Station Health Physics at subj facil. NRC requested until to submit rev Tech Spec.
FAIRTILE, M. Operating Reactors Branch 4 (Pre 790625). 78/11/02. 28pp. 94482:338.

7812060019 Summary of a 781025 meeting re subj facil Station Health Physicist.
FAIRTILE, M. Operating Reactors Branch 4 (Pre 790625). 78/11/02. 3pp. 94415:330.

G. Adjudicatory correspondence

7812080225 Ack receipt of 781018 ltr re util proposal to transport sub facil spent nuc fuel. Ltr will be forwarded to ASLB in order to be considered as a written limited appearance statement.
W/encl AND: 7811130267
KETCHEN, E.Q. Office of the Executive Legal Director. 78/11/20. 3pp. 94137:114.

P. Operating license stage documents & correspondence

7810110025 Request for all info re radiat leakage & safety problems at subj facil.
GORDON, W.J. Gordon, Walter J. 78/09/08. 1p. 94063:131.

7810230158 Forwards check for \$8300 to cover addl lic fees for NRC review of Cycle 5 released amend for subj facil.
PARKER, W.Q. Duke Power Co. 78/10/03. 2pp. 94164:260.

7810130136 Requests return to 1 gpm allowable leakage rate for subj facil because 0.3 gpm leak rate results in severe hardship in leak detection resulting in extensive loss of elec generating capacity. Summary of inspec ready by 781120.
PARKER, W.Q. Duke Power Co. 78/10/06. 3pp. 94003:033.

7810260149 Notification of forthcoming meeting with Duke Pur Co on 781025 to discuss goals of Radiat Protec Manager FAIRFILE, N. B. Operating Reactors Branch 4 (Pre 790625). 78/10/17. 1p. 94055:336

7811080107 Responds to 781012 NRC request for info re amend to lic #ENM-1773 for spent fuel shipment to McGuire Finds that reactivating Oconee spent fuel pool is tech feasible as a possible future action, but requests processing of appl now PARKER, W. D. Duke Power Co. 78/10/18 6pp. 94399:141.

7810240147 Due to inaction on subj Facil 781007 proposal for Tech Spec rev to incorporate staff position for voltage monitors, the proposal is rescinded PARKER, W. D. Duke Power Co. 78/10/19 1p

7810250153 Repts 2 steam generator tube plugs which were being installed during current refueling outage have not been located Startup with plugs unrecovered presents no significant safety hazard PARKER, W. D. Duke Power Co. 78/10/19 4pp

7810300182 Responds to 781010 NRC ltr & remits fee for review of cycle 4 reload amend PARKER, W. D. Duke Power Co. 78/10/20 2pp. 94030:139

7810250062 Confirms conversation w/M Fairfile re advice that DOE funding of extended fuel burnup irradiat at subj facil does not commit DOE to fund any future such irradiats or restrict future alternatives for LWR fuel cycle LANG, P. M. Energy, Dept of 78/10/23 1p.

7810270129 Provides info re effects of heat in a dry environ on an unexploded steam generator plug in response to question re SAR based test results. Concludes that possibility of detonation of unexploded plug in dry environ is negligible PARKER, W. D. Duke Power Co. 78/10/23 1p. 94057:110.

7811070013 Forwards Amends 63, 65 & 62 to Licenses DPR-38, DPR-47 & DPR-55, respectively, changing Tech Specs re full rated pur Cycle 5 oper after core reload, removal orifice rod assemblies from core & High Pressure Injection Pump oper. REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/23. 3pp. 94036:290

--7811070055 Amend#65 to Facil Oper Lic#DPR-38, changing Tech Specs REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/23 2pp. 94036:293.

--7811070057 Amend#65 to Facil Oper Lic#DPR-47, changing Tech Specs. REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/23 2pp. 94036:295

--7811070060 Amend#62 to Facil Oper Lic#DPR-55, changing Tech Specs. REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/23. 2pp. 94036:297.

--7811070063 Exempts subj facil from 10CFR50.46(a) reactor cooling until mod is complete or until next refueling shutdown. STELL, V. Division of Operating Reactors. 78/10/23. 8pp. 94036:322.

--7811070068 Safety evaluation & EIA supporting Amend 65 to Lic DPR-38, Amend 65 to Lic DPR-47 & Amend 62 to Lic DPR-55. Concludes that it is acceptable for Cycle 5 oper to proceed & that EIA not req. * Office of Nuclear Reactor Regulation, Director. 78/10/23. 19pp. 94036:330.

--7811070071 Notice of Issuance of Amend#65 & 62 to Facil Oper Lic#DPR-38, DPR-47 & DPR-55, respectively, rev Tech Specs to support full rated pur oper during Cycle 5 after core reload, adding High Pressure Injection Pump reqs & fuel demonstration prog. REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/23. 2pp. 94036:349.

7811170324 Notice of Issuance of Amend#62 & 63 to Oper Lic#DPR-38, 47 & 55, Amend rev Tech Specs allowing full rated pur during Cycle 5 after core reload & permits use of 5 previously burned fuel assemblies. REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/23. 2pp. 02766:243.

7811020355 Notice of rev to Tech Spec 3.7 re Auxiliary Elec Sys Spec 3.7.1 is rev to clearly define onsite emergency transmission paths in 125VDC Instr Control Sys. & rev 3.7.2 re elec sys degraded mode oper. PARKER, W. D. Duke Power Co. 78/10/31. 6pp. 94247:138.

7811170029 Requests addl info in order to complete review of submittals dtd 780714 & 781006 re permanent mode to High Pressure Coolant Injection Sys at subj facil Requests info in 20 days. REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/31. 3pp. 94048:182.

7811140114 Responds to 781031 request for addl info re mod of high pressure injection sys, specifically, small break ECCS mod. PARKER, W. D. Duke Power Co. 78/11/06. 4pp. 94425:155.

7811160065 Confirms conversations re 780705 proposed oper lic change re possible receipt of 4 fuel assemblies from PL Pur Corp. Requests withdrawal of proposed lic amend & indemnity agreement(B-44) & refund of lic fee. PARKER, W. D. Duke Power Co. 78/11/07. 1p. 94133:121.

7811160079 Rescinds 780523 request for NRC concurrence re proposed change to respiratory protec sys. PARKER, W. D. Duke Power Co. 78/11/07. 1p. 94133:175.

7811160134 Responds to 781011 NRC comments on minimum qualifications of station Health Physicist. Considers requirements in ANSI/ANS-3.1-1978 to be appropriate. PARKER, W. D. Duke Power Co. 78/11/07. 1p. 94135:235.

7811270118 Forwards 3 previously omitted Tech Spec pages(2.3-1.2.3-3 & 2.3-11)for Lic Amend#63, 65 & 62, covering limiting safety sys settings & protect instr. REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/08 5pp. 94271:266.

7811200421 Forwards results of measurements of radioactive matl in NRC phantom on whole body counter. Encl 1 contains actual amount of each radionuclide present, encl 2 gives ratio of measurements to DOE values & encl 3 gives recommendations. BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/09. 5pp. 94419:175.

7811210298 Notifies util of 781205 seminar in Atlanta to discuss new Model Rod Effluent Tech Specs & encl seminar info sheet, registration form, & proposed agenda. D'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/09. 3pp. 94488:126.

7811210306 Notifies util of 781205 seminar in Atlanta to discuss new Model Rod Effluent Tech Specs & encl seminar info sheet, registration form, & proposed agenda. D'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/09. 3pp. 94488:091.

7811300035 Forwards NRC staff paper, Policy Session Item(BECY-78-554) re licensee reg performance evaluation. Three methods for evaluation are: statistical, trend analysis & regional survey method w/o encl. D'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/15. 2pp. 94070:331.

7812150123 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl w/encl Registration Form & List of Locations. MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 5pp.

7812190031 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's(NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0132). W/o encl ANQ: 7811270173 & 781127018. GRIMES, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15 6pp. 94214:023.

7811300379 Informs DPC that NRC has contracted w/Mountain West Res Inc to undertake a series of post-licensing studies of nuc pur stations. Studies will analyze socioecon impacts which occurred during constr & post-constr periods of each plant. DEVOUNG, R. C. Division of Site Safety & Environmental Analysis. 78/11/20. 2pp. 94196:252.

781200220 Responses to Amend 63 to DPR-55. Concludes that proposed Tech Specs changes do not involve a significant hazard, health or safety consideration.
DENTON, H. R. Office of Nuclear Reactor Regulation, Director.
78/11/24. 2pp

Amend 63 to DPR-55. Concludes that proposed Tech Specs changes do not involve a significant hazard, health or safety consideration.
* Operating Reactors Branch 4 (Pre 790625). 78/12/13. 13pp.
94035.306.

7812060260 Response to 780905 ltr requesting exemptions from certain reg of 10CFR Part 21. Rule amended 781019 & provided relief requested.
DENTON, H. R. Office of Nuclear Reactor Regulation, Director.
78/11/24. 2pp. 94371:337.

--7812280267 Notice of Issuance of Amend 66 to DPR-38. Amend 66 to DPR-38 & Amend 63 to DPR-55 revising common Tech Specs to support the oper of Unit#2 full rated pur during Cycle 4.
ZMETZLO, O. D. Operating Reactors Branch 4 (Pre 790625). 78/12/15. 2pp.

--7812060272 Requests exemption from 10CFR21 re procurement of various standard stock items from Cutler Hammer, Inc. Procurement delays will affect constr sched.
PARKER, W. O. Duke Power Co. 78/09/05. 3pp. 94371:339.

7812270244 Forwards proposed rev to subj facil Tech Specs. Proposed exception, 3.3.6(f), would allow inoperability of one Reactor Bldg Spray Pump for up to 72 hours provided all Reactor Bldg Cooling Units are operable. W/attach Affidavit.
PARKER, W. O. Duke Power Co. 78/12/22. 4pp. 94017.155.

7812060272 Requests exemption from 10CFR21 re procurement of various standard stock items from Cutler Hammer, Inc. Procurement delays will affect constr sched.
PARKER, W. O. Duke Power Co. 78/09/05. 3pp.

G. Inspection reports, IE Bulletins & correspondence

7812040231 Requests relief from reg of ASME Code Section XI, Article IWC 500 Request concerns sys pressure test found to be impractical.
PARKER, W. O. Duke Power Co. 78/11/28. 7pp. 94325:348.

7810130056 Ack receipt of IE Insp Repts 50-269/78-17, 50-270/78-17 & 50-287/78-18 on 780807. No proprietary info.
PARKER, W. O. Duke Power Co. 78/09/27. 1p. 94079.185.

7812130083 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND.
7812080207.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/29. 6pp.
94210:330.

--7810130060 Forwards IE Insp Rept 50-269/78-17, 50-270/78-17 & 50-287/78-17 on 780807. No noncompliance noted.
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/20. 2pp. 94079.186.

7812180131 Expects that mod of high pressure injection sys at subj facili can be implemented for each unit during first available outage of sched duration sufficient to install mod.
PARKER, W. O. Duke Power Co. 78/12/04. 1p. 94364:278.

--7810130064 IE Insp Repts 50-269/78-17, 50-270/78-17 & 50-287/78-18 on 780807. No noncompliance noted. Major areas inspected: whole body counting practices & test count of NRC phantom
O'BSON, A. F. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/20. 4pp. 94079:188.

7812280173 Emphasizes importance of submitting accurate & complete info to NRC by licensee & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. Q. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94375:015.

7811030221 States that prog has been established to address IE Circular 78-08. Review of adequacy of qualifications of each piece of equip will be completed by 790416.
PARKER, W. O. Duke Power Co. 78/09/29. 1p. 02724.250.

7812130175 Provides preliminary results of recent refueling outage of subj facil: Some evidence of erosion or corrosion defect growth was present & is currently being evaluated. A final rept will be provided by 790124.
PARKER, W. O. Duke Power Co. 78/12/07. 1p. 94305:170.

7810230287 Forwards IE Circular#78-17. (See AND 7810230221). Docket 50-313.781013)
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/10/13. 1p. 94165:005.

7812260001 Accepts proposed design mod to High Pressure Injection (HPI) sys consisting of installing cross-current lines between discharge lines of HPI sys. W/Safety Eval.
LATIN, G. Plant Systems Branch (Pre 791030). 78/12/07. 4p.
94020:271.

781100103 Ack receipt of 781016 ltr informing NRC of steps taken to correct violations noted during inspect#50-269/78-18, #50-270/78-18 & #50-287/78-19.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/10/26. 1p.
94173:356.

7812260062 Forwards Safety Eval Rept for subj facil re mod to high pressure injection sys.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/12/13. 2pp.
94021:271.

--781100110 States info contained in 781016 ltr is proprietary pursuant to Section 2.790 & is to be withheld.
PARKER, W. O. Duke Power Co. 78/10/16. 1p. 94173:357.

--7812260064 SER "Mod to High Pressure Injection Sys." Concludes design mod to HPIB will ensure that for all postulated single failure conditions, HPIB will be capable of supplying HPI flow by 2 HPI pumps through 2 injection paths.
* Operating Reactors Branch 4 (Pre 790625). 78/12/13. 4pp.
94021:273.

--781100115 Responds to 780919 NRC ltr re violation noted in Inspc Repts#50-269/78-18, #50-270/78-18 & #50-287/78-19. Corrective action withheld (ref 10CFR2.790).
PARKER, W. O. Duke Power Co. 78/10/06. 1p. 94173:358.

7812280238 Forwards Amend#66, 66 & 63 revising Tech Specs re subj facili control rod operability. Forwards Safety Eval, Notice of Issuance, & Notice of Exemption.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/12/18. 3pp.
94355:058.

--781100124 Forwards summary of IE Inspc Repts#50-269/78-18, #50-270/78-18 & #50-287/78-19 on 780815-17. Notice of Violation withheld pursuant to 2.790.
KENNA, W. B. Region 2, Atlanta, Office of the Director. 78/09/19. 2pp. 94173:359.

--7812280247 Lic#DPR-38, DPR-47, & DPR-55 for Amends 66, 66, & 63: Tech Specs proposed changes re control rod operability & support of Unit#2 full rated pur during Cycle 4 after core reload & removal of orifice rod assemblies from core.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/12/18. 3app. 94385:241.

--781100130 IE Inspc Repts#50-269/78-18, #50-270/78-18 & #50-287/78-18 on 780815-17 during which 1 item of noncompliance was noted: testing of alarms.
BECKER, K. H., GILLESPIE, F. P. Region 2, Atlanta, Office of the Director. 78/09/18. 1p. 94173:361.

--7812280261 Notice of Exemption of DPR-47 from 10CFR50.46(a)(1) Requirement that ECCB performance be calculated in accordance w/calculation models per 10CFR50, App K.
BTELLO, V. Division of Operating Reactors. 78/12/15. 9pp.
94195:286.

781100085 Forwards IE Circular 78-18.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/02. 1p. 94113:183.

7811280378 Ack receipt of IE Inspc Repts#50-269/78-22, #50-270/78-22, #50-287/78-23 on 780918-22. Does not consider any info therein to be proprietary.
PARKER, W. O. Duke Power Co. 78/11/09. 1p. 94397:251.

--7811280390 Forwards IE Inspc Repts#50-269/78-22, #50-270/78-22 & #50-287/78-23 on 780918-22 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/18. 2pp. 94397:252.

--781280398 IE Inspc Repts#50-269/78-22, #50-270/78-22 & #50-287/78-23 on 780918-22 during which no items of noncompliance were noted. Major areas inspected included: unresolved items, special repts. action on IEC 78-08.
LENN, R. C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/18. 6pp. 94397:254.

7812180320 Forwards IE Inspc Repts#50-269/78-25, #50-260/78-28 & #50-296/78-24 on 780925-27 during which no items of noncompliance were noted.
LONQ, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/09. 2pp. 94356:285.

7811220110 Inspc Rept 50-269/78-23 inadvertently named Oconee Unit 3, should be Oconee Unit 1.
LONQ, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/13. 1p.

7812120053 Forwards reproductions of articles that appeared in June & Aug 1978 editions of Nuc Security Safeguards Newsletter.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/17. 4pp. 94278:072.

7812050021 Ack receipt of 781120 ltr informing NRC of steps taken to correct violations noted during inspec#50-269/78-15, #50-270/78-15 & #50-287/78-16.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/20. 1p. 94200:270.

--7812050025 Responds to 780929 NRC ltr re violations noted in Inspc Repts#50-269/78-15, #50-270/78-15 & #50-287/78-16. Corrective actions: entrances to interim waste facil posted w/radiat signs & spent fuel cask rebolted & retorqued for shipment.
PARKER, W. O. Duke Power Co. 78/10/25. 4pp. 94200:271.

--7812050029 Forwards IE Inspc Repts#50-269/78-15, #50-270/78-15 & #50-287/78-16 on 780726-28 & 780801-04 & Notice of Violation.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/09/29. 2pp. 94200:275.

--7812050030 Notice of Violation from Inspc on 780726-28 & 780901-04.
* Region 2, Atlanta, Office of the Director. 78/09/29. 1p. 94200:277.

--7812050031 IE Inspc Repts#50-269/78-15, #50-270/78-15 & #50-287/78-16 on 780726-28 & 780801-04 during which 2 items of noncompliance were noted: Failure to properly pack cask for shipment & to perform radiat surveys in interim waste bldg.
HOSEY, C. M., JENKINS, G. R., QIBSDN, A. F. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/28. 11pp. 94200:278.

7812060320 Ack receipt of IE Inspc Rept#50-269/78-23 on 780926-29. Does not consider any info therein to be proprietary.
PARKER, W. O. Duke Power Co. 78/11/21. 1p. 94332:040.

--7812060329 Forwards IE Inspc Repts#50-269/78-23 on 780926-29 during which no items of noncompliance were noted.
LONQ, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/21. 2pp. 94332:041.

--7812060333 IE Inspc Rept#50-269/78-23 on 780926-29 during which no items of noncompliance were noted. Major areas inspected incl: refueling maintenance accomplished on safety-related equip incl procedures & plant work requests.
JOHNSTON, A. H. Region 2, Atlanta, Office of the Director. 78/11/21. 6pp. 94332:043.

7812040326 Ack receipt of 781106 ltr informing NRC of steps taken to correct violations noted during inspec#50-269/78-20, #50-270/78-20, #50-287/78-21.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/22. 1p. 94130:353.

--7812040328 Responds to 781018 NRC ltr re violations noted in Inspc Repts#50-269/78-20, #50-270/78-20, #50-287/78-21. Corrective actions: door lock mod to prevent unlocking w/o key.
PARKER, W. O. Duke Power Co. 78/11/06. 2pp. 94130:354.

--7812040332 Forwards IE Inspc Repts#50-269/78-20, #50-270/78-20, #50-287/78-21 & Notice of Violation.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/18. 2pp. 94130:356.

--7812040335 Notice of Violation from Inspc on 780911-15.
* Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/18. 1p. 94130:358.

7812040363 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
W/encl ANO: 7811300053.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/24. 1p. 94127:166.

7812070317 Ack receipt of IE Insp Repts 50-269/78-21 & 50-287/78-22 on 780919-21. Does not consider any info therein to be proprietary.
PARKER, W. O. Duke Power Co. 78/11/28. 1p. 94084:339.

--7812070319 Forwards IE Insp Repts 50-269/78-21 & 50-287/78-22 on 780919-21 during which no items of noncompliance were noted.
MURPHY, C. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/11/02. 2pp. 94084:340.

--7812070320 IE Insp Repts 50-269/78-21 & 50-287-22 on 780919-21 during which no items of noncompliance were noted. Major areas inspected incl: Corrective action on previously identified infraction #287/78-14-01.
CONLON, T. E., ECONOHOS, N. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/11/01. 7pp. 94084:342.

7812130306 Ack receipt of IE Inspc Repts#50-269/78-26, #50-270/78-25 & #50-287/78-26 on 781023-27. Does not consider any info therein to be proprietary.
PARKER, W. O. Duke Power Co. 78/12/05. 1p. 94159:278.

--7812130311 Forwards IE Inspc Repts#50-269/78-26, #50-270/78-25 & #50-287/78-26 on 781023-27 during which no items of noncompliance were noted.
LONQ, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/21. 2pp. 94159:279.

--7812130317 IE Inspc Repts#50-269/78-26, #50-270/78-25 & #50-287/78-26 on 781023-27 during which no items of noncompliance were noted. Major areas inspected incl: review of past flow, pur & pur distrib anomalies.
BURNETT, P. T. Region 2, Atlanta, Office of the Director.
JULIAN, C. A. Region 2, Atlanta, Reactor Operations Nuclear Support Branch.
BETTENHAUSEN, L. Region 1, Philadelphia, Office of the Director. 78/11/20. 5pp. 94159:281.

7812140041 Ack receipt of IE Inspc Repts#50-269/78-29, #50-270/78-21 & #50-287/78-29 on 781106-08. Does not consider any info to be proprietary.
PARKER, W. O. Duke Power Co. 78/12/05. 1p. 94127:267.

--7812140046 Forwards IE Inspc Repts#50-269/78-29, #50-270/78-21 & #50-287/78-29 on 781106-08 during which no items of noncompliance were noted.
LONQ, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/22. 2pp. 94127:268.

--7812140048 IE Inspc Repts#50-269/78-29, #50-270/78-21 & #50-287/78-29 on 781106-08 during which no items of noncompliance were noted. Major areas inspected incl: plant oper & restoration of sys following refueling outage.
JAPE, F., LEWIS, R. C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/22. 6pp. 94127:270.

7812140053 Ack receipt of IE Inspc Repts#50-269/78-24, #50-270/78-23 & #50-287/78-24 on 781017-20 & 781101-03. Does not consider any info therein to be proprietary.
PARKER, W. O. Duke Power Co. 78/12/05. 1p. 94126:330.

--7812140055 Forwards IE Inspc Repts#50-269/78-24, #50-270/78-23 & #50-287/78-24 on 781017-20 & 781101-03 during which no items of noncompliance were noted.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/29. 2pp. 94126:331.

--7812140059 IE Inspc Repts#50-269/78-24, #50-270/78-23 & #50-287/78-24 on 781017-20 & 1101-03 during which no items of noncompliance were noted. Major areas inspected incl: facil organization, shipping & receiving & storage.
HODGES, J. W., CLAY, E. L., WILLIAMS, G. H. Region 2, Atlanta, Safeguards Branch. 78/11/24. 4pp. 94126:333.

7812290092 Forwards IE Bulletin 78-14.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/12/19. 2pp. 03699:189.

PARKER, W. O. Duke Power Co. 7/8/10/16 1p 94366 344.
--78102000B3 Monthly Oper Rept for Sept 1978
REAVIS, J. E. Duke Power Co. 7/8/10/16 16pp. 94366 344.

7810240002 Forwards Quarterly 780601-780831 rept on Jocassee Area
Seismic Activity.
PARKER, W. O. Duke Power Co. 7/8/10/16 1p

--7810240077 Quarterly Seismic Activity Rept. (6-1-78 to 8-31-78)
Decreased Seismicity in Jocassee area represents diminishing
size and no. of joints at greater depths.
TALMANI, P., STEVENSON, D., BAUBER, J. South Carolina, Univ. of
7/8/10/16. 19pp.

7812210157 Forwards Monthly Oper Rept for Nov 1978.
PARKER, W. O. Duke Power Co. 7/8/12/15 1p. 94278: 189

--7812210160 Monthly Oper Rept for Nov 1978
REAVIS, J. Duke Power Co. 7/8/12/15 16pp. 94278: 186

B. Reportable occurrences, LERs & related correspondence

7810200162 Forwards LER#78-023/01T-0
PARKER, W. O. Duke Power Co. 7/8/10/04. 1p. 94412 00B

--7810200170 LER#78-023/01T-0 on 780919: during annual check on borated
water storage tank level instr one channel was found out of
calibration due to error in differential pressure
transmitter. Components were recalibrated.
WILSON, K. R. Duke Power Co. 7/8/10/04. 2pp. 94412: 010

781020359 RD 269/78-24 on 781012: during refueling shutdown, DT3b tube
was found to be plugged at one end only. Cause unknown.
VELO, D. J. Duke Power Co. 7/8/10/12. 1p. 94253: 331

7811220185 Forwards LER#78-024/01T-0.
PARKER, W. O. Duke Power Co. 7/8/11/15. 3pp. 94074: 217

--7811220188 LER#78-024/01T-0 on 781012: during refueling outage noted
that 7 OT80 tubes which should have been plugged during
earlier outages were not plugged. Caused by placement of
plugs in wrong tubes due to personnel errors.
WILSON, K. R. Duke Power Co. 7/8/11/15. 1p. 94074: 220.

7812010244 Forwards LER#78-025/03L-0.
PARKER, W. O. Duke Power Co. 7/8/11/27 1p. 94390: 153.

--7812010245 LER#78-025/03L-0 on 781026: during annual RPS recalibr. the
RPS trip setpoint was found to be less conservative than
allowed by Tech Spec limits. Caused by effect of temp/
humidity changes from May 1978 pressure switch failure.
WILSON, K. R. Duke Power Co. 7/8/11/27. 2pp. 94390: 154.

7812190127 Forwards LER#78-026/03L-0.
PARKER, W. O. Duke Power Co. 7/8/12/11. 1p. 94340: 354.

--7812190130 LER#78-026/03L-0 on 781110: while attempting to put RBCU "c"
fan into svc. danger-open indication not received in control
room. Caused by blown fuse in damper motor circuit.
WILSON, K. R. Duke Power Co. 7/8/12/11. 2pp. 94340: 356.

DOCKET 50-270 DCDNEE NUCLEAR STATION, UNIT 2

E. NRC Safety Evaluation Report (SER), supp's & correspondence

781020014 Supplments 780811 Safety Eval of subj facil. Found LPBW sys
piping arrangement acceptable. Deletes requirement to provide
spare dedicated cables for LPBW sys pump motors.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 7/8/10/05. 2pp.
94351: 247.

F. Security, medical, emergency & fire protection plans

7810180126 Forwards proprietary info consisting of Change#B to Rev#5 of
subj facil security plan. W/o proprietary info.
PARKER, W. O. Duke Power Co. 7/8/10/06. 32pp.

7810310006 Forwards Revision 2 of modified amended security plan
(MSP). Encl withheld (ref 10CFR2.790).
PARKER, W. O. Duke Power Co. 7/8/10/19. 2pp. 94093: 360.

28pp. 94482: 338.
7812060019 Summary of a 781025 meeting re subj facil Station Health
Physicist.
FAIRTILE, M. Operating Reactors Branch 4 (Pre 790625). 7/8/11/02
3pp. 94419: 330

G. Adjudicatory correspondence

7812080225 Ack receipt of 781018 ltr re util proposal to transport sub
facil spent nuc fuel. Ltr will be forwarded to ABLB in order
to be considered as a written limited appearance statement.
W/encl AND. 7811130267
KETCHEN, E. O. Office of the Executive Legal Director 7/8/11/20.
3pp. 94137: 114.

H. Operating license stage documents & correspondence

7811170029 Requests addl info in order to complete review of submittal
dtd 780714 & 781005 re permanent mode to High Pressure
Coolant Injection Sys at subj facil. Requests info in 20
days.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 7/8/10/31 3pp.
94048: 182.

7810110025 Request for all info re radiat leakage & safety problems at
subj facil.
GORDON, W. J. Gordon, Walter J. 7/8/09/08 1p. 94063: 131.

7810200102 Ack receipt of 780825 response to 780801 NRC request for
addl info re substitute surveillance tendon. Requests addl
info re solution to stress corrosion surveillance & lift-off
test problem w/in 30 days.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 7/8/10/02 1p.
94367: 353

7810230158 Forwards check for \$8300 to cover addl lic fees for NRC
review of Cycle 5 released amend for subj facil.
PARKER, W. O. Duke Power Co. 7/8/10/03. 2pp. 94164: 260.

7810130174 Analysis of small break LOCA dtd 780315 & the proposed mod
which requires an oper to position switches to open 2 elec-
motor-open valves. Actions are consistent w/staff position on
this matter.
PARKER, W. O. Duke Power Co. 7/8/10/06. 1p. 94003: 051

7810260149 Notification of forthcoming meeting with Duke Pwr Co on
781025 to discuss goals of Radiat Protec Manager.
FAIRTILE, N. B. Operating Reactors Branch 4 (Pre 790625). 7/8/10/17.
1p. 94059: 336.

7811080107 Responds to 781012 NRC request for info re amend to lic
#BNM-1773 for spent fuel shipment to McGuire. Finds that
rerecking DCDNEE spent fuel pool is tech feasible as a
possible future action, but requests processing of appl now.
PARKER, W. O. Duke Power Co. 7/8/10/18. 6pp. 94399: 141.

7810240147 Due to inaction on subj Facil 781007 proposal for Tech Spec
rev to incorporate staff position for voltage monitors, the
proposal is rescinded.
PARKER, W. O. Duke Power Co. 7/8/10/19. 1p

7811070013 Forwards Amends 65, 65 & 62 to Licensee DPR-38, DPR-47 &
DPR-35, respectively, changing Tech Specs re full rated pur
Cycle 5 oper after core reload, removal orifice rod
assemblies from core & High Pressure Injection Pump oper.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 7/8/10/23. 3p.
94036: 290.

--7811070055 Amend#65 to Facil Oper Lic#DPR-38, changing Tech Specs.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 7/8/10/23
2pp. 94036: 293.

--7811070057 Amend#65 to Facil Oper Lic#DPR-47, changing Tech Specs.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 7/8/10/23
2pp. 94036: 293.

--7811070060 Amend#62 to Facil Oper Lic#DPR-35, changing Tech Specs
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 7/8/10/23
23pp. 94036: 297.

--7811070063 Exempts subj facil from 10CFR50.46(a) re reactor cooling
until mod is complete or until next refueling shutdown.
STELLD, V. Division of Operating Reactors. 7/8/10/23 8pp.
94036: 322.

--781070068 Safety evaluation & EIA supporting Amend 65 to Lic DPR-38.
Amend 65 to Lic DPR-47 & Amend 62 to Lic DPR-35 Concludes
that it is acceptable for Cycle 5 oper to proceed & that
EIA not req.
* Office of Nuclear Reactor Regulation, Director. 78/10/23.
19pp. 94036:330.

--781070071 Notice of Issuance of Amend#65 & 62 to Facil Oper Lic#DPR-
38, DPR-47 & DPR-35, respectively, rev Tech Specs to support
full rated pur oper during Cycle 5 after core reload, adding
High Pressure Injection Pump reqs & fuel demonstration prog.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/23. 2pp.
94036:349.

7811170324 Notice of Issuance of Amend#62 & 65 to Oper Lic#DPR-38, 47 &
55. Amend rev Tech Specs allowing full rated pur during Cycle
5 after core reload & permits use of 5 previously burned
fuel assemblies.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/23. 2pp
02766:243.

7811010104 Requests rapid NRC approval of Standby Shutdown Sys concept
proposed re station security & fire protect of subj facil.
Must have NRC assurance that SSS concept meets NRC
requirement before committing to these mods.
PARKER, W.D. Duke Power Co. 78/10/26. 2pp.

7811020235 Notice of rev to Tech Spec 3.7 re Auxiliary Elec Sys. Spec
3.7.1 is rev to clearly define onsite emergency transmission
paths in 125VDC Instr Control Sys. & rev 3.7.2 re elec sys
degraded mode oper.
PARKER, W.D. Duke Power Co. 78/10/31. 6pp. 94247:138.

7811070214 Ack receipt of NRC info to staff reviewing 780918 submittal
of lic amend supporting subj facil through Cycle 4. Confirms
780922 & 780926 ltr to NRC responding to staff questions re
proposed physics testing of cycle 5.
PARKER, W.D. Duke Power Co. 78/11/01. 1p. 94039:121.

7811140114 Responds to 781031 request for addl info re mod of high
pressure injection sys, specifically, small break ECCS mod.
PARKER, W.D. Duke Power Co. 78/11/06. 4pp. 94425:155.

7811190179 Responds to 781002 NRC ltr re total # surveillance tendons
prescribed & substitution of surveillance tendon for tendon
202B. Believes tendon 202B need not be replaced or tensioned
& should be available for main degradation test.
PARKER, W.D. Duke Power Co. 78/11/06. 2pp. 94242:359.

7811160065 Confirms conversations re 780705 proposed oper lic change re
possible receipt of 4 fuel assemblies from FL Pur Corp.
Requests withdrawal of proposed lic amend & indemnity
agreement (B-44) & refund of lic fee.
PARKER, W.D. Duke Power Co. 78/11/07. 1p. 94133:121.

7811160079 Rescinds 780523 request for NRC concurrence re proposed
change to respiratory protect sys.
PARKER, W.D. Duke Power Co. 78/11/07. 1p. 94133:175.

7811160134 Responds to 781011 NRC comments on minimum qualifications of
station Health Physicist. Considers requirements in
ANSI/ANS-3.1-1978 to be appropriate.
PARKER, W.D. Duke Power Co. 78/11/07. 1p. 94135:235.

7811270118 Forwards 3 previously omitted Tech Spec pages (2.3-1, 2.3-3 &
2.3-11) for Lic Amend#65, 65 & 62, covering limiting safety sys
settings & protect instru.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/11/08. 5pp.
94271:266.

7811200421 Forwards results of measurements of radioactive matl in NRC
phantom on whole body counter. Encl 1 contains actual amount
of each radionuclide present, encl 2 gives ratio of
measurements to DOE values & encl 3 gives recommendations.
BUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety
Branch. 78/11/09. 8pp. 94419:175.

7811210298 Notifies util of 781205 seminar in Atlanta to discuss new
Model Rod Effluent Tech Specs & encl seminar info sheet,
registration form, & proposed agenda.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/09.
8pp. 94488:126.

7811210306 Notifies util of 781205 seminar in Atlanta to discuss new
Model Rod Effluent Tech Specs & encl seminar info sheet,
registration form, & proposed agenda.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/09.
8pp. 94488:091.

781100035 Forwards NRC staff paper, Policy Session Item (BECY-78-554) re
licensee reg performance evaluation. Three methods for
evaluation are: statistical, trend analysis & regional survey
method. W/o encl.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/15.
2pp. 94070:351.

7812150123 Notice of workshops re implementation of training & qual
requirements contained in Appendix B of 10CFR73. Requests
pre-workshop registration of attendees to facilitate sending
out matl. W/encl Registration Form & List of Locations.
MILLER, J.R. Assistant Director for Site & Safeguards (Pre 791030).
78/11/15. 5pp.

7812190031 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for
PWR's (NUREG-0473) & "Preparation of Radiological Effluent
Tech Specs for Nuc Pur Plants" (NUREG-0133). W/o encl AND:
7811270173 & 781127018.
ORINEB, B.K. Assistant Director for Engineers & Projects (Pre
790625). 78/11/15. 6pp. 94214:333.

7811300379 Informs DPC that NRC has contracted w/Mountain West Res Inc
to undertake a series of post-licensing studies of nuc pur
stations. Studies will analyze socioeconomic impacts which
occurred during constr & post-constr periods of each plant.
DEYOUNG, R.C. Division of Site Safety & Environmental Analysis.
78/11/20. 2pp. 94136:252.

7812060260 Responses to 780905 ltr requesting exemptions from certain
reg of 10CFR Part 21. Rule amended 781019 & provided relief
requested.
DENTON, H.R. Office of Nuclear Reactor Regulation, Director.
78/11/24. 2pp. 94371:337.

--7812060272 Requests exemption from 10CFR21 re procurement of various
standard stock items from Cutler Hammer, Inc. Procurement
delays will affect constr sched.
PARKER, W.D. Duke Power Co. 78/09/05. 3pp. 94371:339.

7812040231 Requests relief from reg of ASME Code Section XI, Article I, H
300. Request concerns sys pressure test found to be
impractical.
PARKER, W.D. Duke Power Co. 78/11/28. 7pp. 94325:348.

7812150083 Discusses possible dangers of LOCA in containment purging
during normal plant oper. Requests either commitment to limit
purging or justification for continuing. W/encl AND:
7812080207.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/11/29. 6pp
94210:330.

7812180131 Expects that mod of high pressure injection sys at subj
facils can be implemented for each unit during first
available outage of sched duration sufficient to install
mod.
PARKER, W.D. Duke Power Co. 78/12/04. 1p. 94364:278.

7812280173 Emphasizes importance of submitting accurate & complete info
to NRC by licensees & applicants. Info submitted must be
substantiated by data & calculations. Licensees must notify
NRC of any inaccuracies or enforcement action will result.
DAVIS, J.O. Office of Inspection & Enforcement, Office of the
Director. 78/12/06. 2pp. 94375:015.

7812260001 Accepts proposed design mod to High Pressure Injection (HPI)
sys consisting of installing cross-current lines between
discharge lines of HPI sys. W/Safety Eval.
LAINAS, O. Plant Systems Branch (Pre 791030). 78/12/07. 6p.
94020:271.

7812260062 Forwards Safety Eval Rpt for subj facil re mod to high
pressure injection sys.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/12/13. 2pp
94021:271.

--7812260064 SER "Mod to High Pressure Injection Sys." Concludes design
mod to HPIB will ensure that for all postulated single
failure conditions, HPIB will be capable of supplying HPI
flow by 2 HPI pumps through 2 injection paths.
* Operating Reactors Branch 4 (Pre 790625). 78/12/13. 4pp.
94021:273.

7812280238 Forwards Amend#66, 66 & 63 revising Tech Specs re subj facil
control rod operability. Forwards Safety Eval, Notice of
Issuance, & Notice of Exemption.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/12/18. 3pp
94355:288.

REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/12/18.
3pp. 94355:261.

--7812280261 Notice of Exemption of DPR-47 from 10CFR50.46(a)(1) requirement that ECCB performance be calculated in accordance w/calculation models per 10CFR50, App K. STELLD, V. Division of Operating Reactors. 78/12/15. 9pp. 94195:286.

--7812280264 SER supporting Amend 66 to DPR-30, Amend 66 to DPR-47, & Amend 63 to DPR-35. Concludes that proposed Tech Spec changes do not involve a significant hazard, health or safety consideration. * Operating Reactors Branch 4 (Pre 790625). 78/12/15. 13pp. 94355:306.

--7812280267 Notice of Issuance of Amend 66 to DPR-30, Amend 66 to DPR-47, & Amend 63 to DPR-35 revising common Tech Specs to support the oper of Unit#2 Full rated pur during Cycle 4. ZMETZIG, G. B. Operating Reactors Branch 4 (Pre 790625). 78/12/15. 2pp.

7812270244 Forwards proposed rev to subj facil Tech Specs. Proposed exception, 3.3.6(f), would allow inoperability of one Reactor Bldg Spray Pump for up to 72 hours provided all Reactor Bldg Cooling Units are operable. W/attach affidavit. PARKER, W. O. Duke Power Co. 78/12/22. App. 94017:155.

7810300182 Responds to 781010 NRC ltr & remits fee for review of cycle 4 reload amend. PARKER, W. O. Duke Power Co. 78/10/20. 2pp. 94030:159.

Q. Inspection reports, IE Bulletins & correspondence

781100103 Ack receipt of 781016 ltr informing NRC of steps taken to correct violations noted during inspect#50-269/78-18, #50-270/78-18 & #50-287/78-19. KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/10/26. 1p. 94173:356.

--781100110 States info contained in 781016 ltr is proprietary pursuant to Section 2, 790 & is to be withheld. PARKER, W. O. Duke Power Co. 78/10/16. 1p. 94173:357.

--781100115 Responds to 780919 NRC ltr re violation noted in Inspec Repts#50-269/78-18, #50-270/78-18 & #50-287/78-19. Corrective action withheld (ref 10CFR2.790). PARKER, W. O. Duke Power Co. 78/10/06. 1p. 94173:358.

--781100124 Forwards summary of IE Inspec Repts#50-269/78-18, #50-270/78-18 & #50-287/78-19 on 780815-17. Notice of Violation withheld pursuant to 2.790. KENNA, W. B. Region 2, Atlanta, Office of the Director. 78/09/19. 2pp. 94173:359.

--781100130 IE Inspec Repts#50-269/78-18, #50-270/78-18 & #50-287/78-19 on 780815-17 during which 1 item of noncompliance was noted: testing of alarms. BESECKER, K. H., GILLESPIE, F. P. Region 2, Atlanta, Office of the Director. 78/09/18. 1p. 94173:361.

781030036 Ack receipt of IE Insp Repts 50-269/78-17, 50-270/78-17 & 50-287/78-18 on 780807. No proprietary info. PARKER, W. O. Duke Power Co. 78/09/27. 1p. 94079:185.

--781030060 Forwards IE Insp Rept 50-269/78-17, 50-270/78-17 & 50-287/78-17 on 780807. No noncompliance noted. SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/20. 2pp. 94079:186.

--781030064 IE Insp Repts 50-269/78-17, 50-270/78-17 & 50-287/78-18 on 780807. No noncompliance noted. Major areas inspected: whole body counting practices & test count of NRC phantom. QIBSON, A. F. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/20. App. 94079:188.

781030221 States that prog has been established to address IE Circular 78-08. Review of adequacy of qualifications of each piece of equip will be completed by 790416. PARKER, W. O. Duke Power Co. 78/09/29. 1p. 02724:250.

7810230287 Forwards IE Circular#78-17. (See AND: 7810230221, Docket 50-313, 781013) O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/10/13. 1p. 94165:005.

781280378 Ack receipt of IE Inspec Repts#50-269/78-22, #50-270/78-22, & #50-287/78-23 on 780918-22. Does not consider any info therein to be proprietary. PARKER, W. O. Duke Power Co. 78/11/09. 1p. 94397:291.

--7811280390 Forwards IE Inspec Repts#50-269/78-22, #50-270/78-22 & #50-287/78-23 on 780918-22 during which no items of noncompliance were noted. LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/18. 2pp. 94397:292.

--7811280398 IE Inspec Repts#50-269/78-22, #50-270/78-22 & #50-287/78-23 on 780918-22 during which no items of noncompliance were noted. Major areas inspected included unresolved items, special repts, action on IEC 78-08. LEWIS, R. C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/18. 6pp. 94397:294.

7812120053 Forwards reproductions of articles that appeared in June & Aug 1978 editions of Nuc Security Safeguards Newsletter. KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/17. App. 94278:072.

7812050021 Ack receipt of 781120 ltr informing NRC of steps taken to correct violations noted during inspect#50-269/78-15, #50-270/78-15 & #50-287/78-16. SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/20. 1p. 94200:270.

--7812050025 Responds to 780929 NRC ltr re violations noted in Inspec Repts#50-269/78-15, #50-270/78-15 & #50-287/78-16. Corrective actions: entrances to interim waste Facil posted w/radiat signs & spent fuel cask rebolted & retorqued for shipment. PARKER, W. O. Duke Power Co. 78/10/25. App. 94200:271.

--7812050029 Forwards IE Inspec Repts#50-269/78-15, #50-270/78-15 & #50-287/78-16 on 780726-28 & 780801-04 & Notice of Violation. O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/09/29. 2pp. 94200:275.

--7812050030 Notice of Violation from Inspec on 780726-28 & 780901-04. * Region 2, Atlanta, Office of the Director. 78/09/29. 1p. 94200:277.

--7812050031 IE Inspec Repts#50-269/78-15, #50-270/78-15 & #50-287/78-16 on 780726-28 & 780801-04 during which 2 items of noncompliance were noted: Failure to properly pack cask for shipment & to perform radiat surveys in interim waste bldg. HOBEY, C. M., JENKINS, G. R., QIBSON, A. F. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/28. 11pp. 94200:278.

7812040326 Ack receipt of 781106 ltr informing NRC of steps taken to correct violations noted during inspect#50-269/78-20, #50-270/78-20, #50-287/78-21. SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/22. 1p. 94130:353.

--7812040328 Responds to 781018 NRC ltr re violations noted in Inspec Repts#50-269/78-20, #50-270/78-20, #50-287/78-21. Corrective actions: door lock mod to prevent unlocking w/o key. PARKER, W. O. Duke Power Co. 78/11/06. 2pp. 94130:354.

--7812040332 Forwards IE Inspec Repts#50-269/78-20, #50-270/78-20, #50-287/78-21 & Notice of Violation. SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/18. 2pp. 94130:356.

--7812040335 Notice of Violation from Inspec on 780911-15. * Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/18. 1p. 94130:358.

--7812040339 IE Inspec Repts#50-269/78-20, #50-270/78-20, #50-287/78-21 on 780911-15 during which 1 item of noncompliance was noted: Failure to keep entrance to high radiat area locked. HOBEY, C. M., QIBSON, A. F. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/18. 6pp. 94130:359.

7812040363 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12. W/enc1 AND: 781300055. O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/24. 1p. 94127:166.

7812130306 Ack receipt of IE Inspec Repts#50-269/78-26, #50-270/78-25 & #50-287/78-26 on 781023-27. Does not consider any info therein to be proprietary.
PARKER, W. O. Duke Power Co. 78/12/05 1p. 94159:278

--7812130311 Forwards IE Inspec Repts#50-269/78-26, #50-270/78-25 & #50-287/78-26 on 781023-27 during which no items of noncompliance were noted.
LUNG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/21. 2pp. 94159:279

--7812130317 IE Inspec Repts#50-269/78-26, #50-270/78-25 & #50-287/78-26 on 781023-27 during which no items of noncompliance were noted. Major areas inspected incl: review of pest flow, pur & pur distrib anomalies.
BURNETT, P. T. Region 2, Atlanta, Office of the Director
JULIAN, C. A. Region 2, Atlanta, Reactor Operations Nuclear Support Branch
BETTENHAUSEN, L. Region 1, Philadelphia, Office of the Director 78/11/20. 3pp. 94159:281

7812140041 Ack receipt of IE Inspec Repts#50-269/78-29, #50-270/78-21 & #50-287/78-29 on 781106-08. Does not consider any info to be proprietary.
PARKER, W. O. Duke Power Co. 78/12/05 1p. 94127:267.

--7812140046 Forwards IE Inspec Repts#50-269/78-29, #50-270/78-21 & #50-287/78-29 on 781106-08 during which no items of noncompliance were noted.
LUNG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/22. 2pp. 94127:268.

--7812140048 IE Inspec Repts#50-269/78-29, #50-270/78-21 & #50-287/78-29 on 781106-08 during which no items of noncompliance were noted. Major areas inspected incl: plant oper & restoration of sys following refueling outage.
JAPE, F., LEWIS, R. C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/22. 6pp. 94127:270.

7812140053 Ack receipt of IE Inspec Repts#50-269/78-24, #50-270/78-23 & #50-287/78-24 on 781017-20 & 781101-03. Does not consider any info therein to be proprietary.
PARKER, W. O. Duke Power Co. 78/12/05 1p. 94126:330.

--7812140055 Forwards IE Inspec Repts#50-269/78-24, #50-270/78-23 & #50-287/78-24 on 781017-20 & 781101-03 during which no items of noncompliance were noted.
KENNA, W. D. Region 2, Atlanta, Safeguards Branch. 78/11/29. 2pp. 94126:331.

--7812140059 IE Inspec Repts#50-269/78-24, #50-270/78-23 & #50-287/78-24 on 781017-20 & 1101-03 during which no items of noncompliance were noted. Major areas inspected incl: facil organization, shipping & receiving & storage.
HODGES, J. W., CLAY, E. L., WILLIAMS, O. H. Region 2, Atlanta, Safeguards Branch. 78/11/24. 4pp. 94126:333.

7812290092 Forwards IE Bulletin 78-14.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/12/19. 2pp. 03695:189.

R. Periodic operating reports & related correspondence

7810200082 Forwards Monthly Oper Rept for Sept 1978.
PARKER, W. O. Duke Power Co. 78/10/16. 1p. 94366:343.

--7810200083 Monthly Oper Rept for Sept 1978.
REAVIS, J. E. Duke Power Co. 78/10/16. 16pp. 94366:344.

7810240002 Forwards Quarterly 780601-780831 rept on Jocassee Area Seismic Activity.
PARKER, W. O. Duke Power Co. 78/10/16. 1p.

--7810240077 Quarterly Seismic Activity Rept. (6-1-78 to 8-31-78). Decreased seismicity in Jocassee area represents diminishing size and no. of joints at greater depths.
TALWANI, P., STEVENSON, D., SAUBER, J. South Carolina, Univ. of. 78/10/16. 19pp.

7812210157 Forwards Monthly Oper Rept for Nov 1978.
PARKER, W. O. Duke Power Co. 78/12/15. 1p. 94278:185.

--7812210160 Monthly Oper Rept for Nov 1978.
REAVIS, J. E. Duke Power Co. 78/12/15. 16pp. 94278:186.

--7811080141 LERN#78-010/03L-0 on 781004: control rod 7 g to be inoper due to short in CRD stator. Short caused moisture-induced corrosion. Will replace shorted stator during upcoming refueling outage.
WILSON, K. R. Duke Power Co. 78/11/01. 3pp.

7811300172 Forwards LERN#78-011/03L-0.
PARKER, W. O. Duke Power Co. 78/11/22. 1p. 94073:10

--7811300174 LERN#78-011/03L-0 on 781023: ES Analog Channel Pressure Transmitter found to be out-of-calib. excessive temp/humidity in penetration room. Actions minimize effects of excessive conditions.
WILSON, K. R. Duke Power Co. 78/11/22. 2pp. 94073:11

7812180188 Forwards LERN#78-012/01T-0.
PARKER, W. O. Duke Power Co. 78/12/05. 1p. 94366:08

--7812180196 LERN#78-012/01T-0 on 781105: valve 2HP-127.R check valve was in closed position during HPI check functional test. Caused by personnel error.
WILSON, K. R. Duke Power Co. 78/12/05. 2pp. 94366:09

DOCKET 50-271 VERMONT YANKEE NUCLEAR POWER STATION

E. NRC Safety Evaluation Report (SER), supp's & corresp

7811290392 Responds to 781018 request for copies of rept from Safety Eval to Amend#47 for Subj facil lic & req for info re possible fuel loading error. Forwards refe NRC found no loading error. W/encl AND: 7810240145.
STELL, D. V. Division of Operating Reactors. 78/11/16. 94181:178.

F. Security, medical, emergency & fire protection plans

7810200090 Proposes to provide 2 fire drills per year for operating shift fire brigade. Asserts that NRC insists 4 drills for each brigade year per year is arbitrary unnecessary.
MOODY, D. E. Vermont Yankee Nuclear Power Corp. 78/10. 94367:092

7812050130 Forwards latest rev of mod amend security plan to meet 780621 NRC comments. Encl w/held from pub disclosure pursuant to 2.790.
ORRICE, R. H. Vermont Yankee Nuclear Power Corp. 78/12. 94335:051.

7812270276 Forwards addl info re fire protec sys hose & design.
MOODY, D. E. Vermont Yankee Nuclear Power Corp. 78/12. 94229:287.

H. General correspondence

7811090166 Requests change of address for correspondence.
ORRICE, R. H. Vermont Yankee Nuclear Power Corp. 78/11. 94038:148.

K. Utility Final Safety Analysis Report (FSAR) & amendments

7810240008 Ack receipt of rev Emergency Plan as Amend #1. Requests submission of rev emergency plan IAW Reg Q. 1.101.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 79062. 2pp.

P. Operating license stage documents & correspondence

7810200131 Notice of Issuance of Amend to Facil Oper Lic Declaration. NRC has issued Amend 46 to Facil Oper Lic which revises Tech Specs for oper of Subj Facil. Amend increase in pH of water discharged from cooling tower.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 79062. 2pp. 94401:189.

781090043 Reload 5 Licensing submitted for sub facil dtd 780621 is being reviewed. Requests addl info telec to YAE on 780927.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 79062. 3pp. 94325:355.

DOCKETED ITEMS

- 7810230043 Amend #47 to Facil Oper Lic#DPR-28, changing Tech Spec re Cycle & oper.
IPFDLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/10/10. 2pp. 94414:227.
- 7810230044 Safety Evaluation supporting Amend#47 to Facil Oper Lic #DPR-28. Concludes that amend does not decrease safety margin.
* Operating Reactors Branch 3 (Pre 790625). 78/10/10. 8pp. 94414:259.
- 7810230048 Notice of Issuance of Amend#47 to Facil Oper Lic#DPR-28, changing Tech spec re Cycle & oper.
IPFDLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/10/10. 2pp. 94414:267.
- 7810160135 Comments on Reactor Protec Sys pur supply. Ref is made to Lic#DPR-28 for subj facil & NRC 780807 ltr to subj facil. Combination of events as described has low probability of occurring & does not present need for sys mod.
VANDENBURGH, D. Vermont Yankee Nuclear Power Corp. 78/10/11. 2pp. 94005:164.
- 7811020066 Forwards Amend 48 to License DPR-28, safety evaluation & notice of issuance.
IPFDLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/10/13. 4pp. 94351:264.
- 7811020071 Amend#48 to Facil Oper Lic#DPR-28 rev Tech Specs re: oper plant during Oct 15-May 15 in the helper-cycle mode w/dischARGE temp restrictions & oper in closed-cycle during May 16-Oct 14. Also removes limit on thermal plume.
IPFDLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/10/13. 3pp. 94351:268.
- 7811020081 Environ Impact Appraisal supporting Amend#48 to Facil Oper Lic#DPR-28 concluding that there will be no significant environ impact attributable to proposed action other than what has been described in FEB.
* Office of Nuclear Reactor Regulation, Director. 78/10/13. 3pp. 94351:273.
- 7811020086 Notice of Issuance of Amend#48 to Facil Oper Lic#DPR-28 on 781013.
IPFDLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/10/13. 3pp. 94351:276.
- 7811100335 Summary of 780914 meeting w/OE representatives & Mark I Owners Group re progress of Long Term Prog w/attendance list & agenda(RD-9-A-Mark I Standards.)
GRIMES, C. Plant Systems Branch (Pre 791030). 78/10/26. 67pp.
- 7810240145 Requests copies of ref#5 & #7 to Amend#47 which provide plant-specific data used in transient & accident analyses. Asks if NRC felt subj facil committed fuel load error during previous refueling.
SCOTT, D.M. Vermont, State of. 78/10/18. 1p.
- 7811010104 Requests rapid NRC approval of Standby Shutdown Sys concept proposed re station security & fire protec of subj facil. Must have NRC assurance that SSB concept meets NRC requirement before committing to these mods.
PARKER, W.D. Duke Power Co. 78/10/26. 2pp.
- 7811140224 States 781016 NRC ltr requests rewriting of matl sent for info purposes only. Suggests need may exist for review of staff activities to confirm they are consistent w/priorities established by senior mgt.
VANDENBURGH, D. Vermont Yankee Nuclear Power Corp. 78/11/07. 3pp. 94400:059.
- 7812180167 Notice of workshops re implementation of training & qual requirements contained in Append B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. W/encl Registration Form & List of Locations.
MILLER, J.R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 5pp.
- 7812180262 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for BWR's(NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0123).
GRIMES, B.K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/18. 6pp. 94355:328.
- 7811270130 Forwards rept re"Primary Containment Leak Rate Testing, 1974-1978."
ORCE, R.H. Vermont Yankee Nuclear Power Corp. 78/11/17. 1p. 94224:221.
- 7811270134 "Vermont Yankee Primary Containment Leakage Rate Testing 1974-1978." Describes all reactor containment testing performed subsequent to the Oct 1974 Type A test & up to & incl a Type A test performed in Aug 1978
EICHENHOLZ, H. Vermont Yankee Nuclear Power Corp. 78/11/17. 45p. 94224:222.
- 7812070141 Notice of seminar on 781208 on new Model Radiological Effluent Tech Specs for nuc pur plants. Requests advance submission of seminar specific questions. W/encl Seminar Info Sheet, Proposed Agenda & maps.
GRIER, B.H. Region 1, Philadelphia, Office of the Director. 78/11/21. 8pp. 94375:284.
- 7812110002 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND:
#7812080207.
IPFDLITO, T. Operating Reactors Branch 2 (Pre 790625). 78/11/29. 8pp. 94339:159.
- 7812140176 Forwards Oct 1978 Prog Activity Review listing meetings held & providing task-by-task activity summary for the month.
BOBEN, L.J. General Electric Co. 78/12/04. 11pp.
- 7812280121 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J.O. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94310:249.
- 7811210367 Forwards addl info re multiple consecutive safety/relief valve actuation of Mark I containment program.
BOBEN, L.J. General Electric Co. 78/11/13. 3pp.
- G. Inspection reports, IE Bulletins & correspondence

- 7811080236 Forwards IE Inspec Rept#50-271/78-19 on 780822-24 during which no items of noncompliance were noted.
MARTIN, W.Q. Region 1, Philadelphia, Safeguards Branch. 78/09/25. 2pp. 94406:064.
- 7811080245 IE Inspec Rept#50-271/78-19 on 780822-24 during which no items of noncompliance were noted. Major areas inspected included: physical security, access controls, detection aids.
10CFR2.790 info available in Central Files.
ROERS, M. MCKEOWN, L. Region 1, Philadelphia, Safeguards Branch. 78/09/25. 1p. 94406:064.
- 7810170023 Forwards IE Bulletin#78-12: "Atypical Weld Material in Reactor Pressure Vessel Welds" requesting action w/in 60 days, & list of IE Bulletins issued in 1978. (see AND 7810040233)
GRIER, B.H. Region 1, Philadelphia, Office of the Director. 78/09/29. 6pp. 94241:334.
- 7811020170 Ack receipt of 780928 ltr informing NRC of steps taken to correct violations noted during inspec 50-271/78-18.
SMITH, O.H. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/13. 1p. 94355:108.
- 7811020173 Responds to 780911 NRC ltr re violation noted in Inspec Rept#50-271/78-18. Corrective actions: personnel reminded to perform preliminary survey of subj samples, follow handling rec'd & written plant procedures.
MODDY, D.E. Vermont Yankee Nuclear Power Corp. 78/09/28. 2pp. 94355:109.
- 7811020179 Forwards IE Inspec Rept#50-271/78-18 dtd 780901 & Notice of Violation.
CROCKER, H.W. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/05. 2pp. 94355:113.
- 7811020183 Notice of Violation from inspec on 780815-17.
CROCKER, H.W. Region 1, Philadelphia, Office of the Director. 78/09/01. 1p.
- 7811020188 IE Inspec Rept 50-271/78-18 on 780815-17 during which 2 items of noncompliance were noted: Disregard of Procedure DP 0630, Water Chemistry Procedure DP 0641, Results of Chem tests: Procedure DP 2611, Gaseous Radwaste.
BIDDER, J.P. Region 1, Philadelphia, Office of the Director.
KOTYAN, J.J. NRC Regional Offices. 78/09/01. 9p. 94355:114.
- 7811060178 Forwards IE Circular#78-17. (See AND: 7810230221, Docket #50-133, 781013.)

7812060344 Forwards IE Inspec Rept#50-271/78-21 on 780919-22 & 1005-06 during which no items of noncompliance were noted.
CARLSON, R T Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/10/23 2pp 94382 257.

--7812060346 IE Inspec Rept#50-271/78-21 on 780919-22 & 1005-06 during which no items of noncompliance were noted. Major areas inspected incl. insvc inspec prog & implementation during current refueling outage
BANDERS, W F Region 1, Philadelphia, Reactor Construction & Engineering Support Branch 78/10/19 4pp. 94382 259

7811290145 Forwards IE Circular #78-1B, "UL Fire Test. W/encl AND 7811130002
ORIER, B H Region 1, Philadelphia, Office of the Director. 78/11/06. 1p. 94239: 323.

7812290051 Forwards IE Inspec Rept#50-271/78-24 on 781025-26 during which no items of noncompliance were noted.
BRUNNER, E J Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/09. 2pp 94190-005

--7812290053 IE Inspec Rept#50-271/78-24 on 781025-26 during which no items of noncompliance were noted. Major areas inspected incl: status of previously identified items
NAPUDA, D., KISTER, H. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch 78/11/09. 3pp. 94190 007.

7811280030 Forwards IE Bulletin#78-12A, Suppl to IE Bulletin 78-12 W/encl AND: 7811300035
ORIER, B H Region 1, Philadelphia, Office of the Director. 78/11/24 1p. 94133: 004

R Periodic operating reports & related correspondence

7810170192 Forwards Monthly Oper Rept for Sept 1978
MOODY, D E. Vermont Yankee Nuclear Power Corp. 78/10/10 1p. 94235: 289.

--7810170193 Monthly Oper Rept for Sept 1978
BJOREN, R M Vermont Yankee Nuclear Power Corp 78/10/12. 6pp. 94235 290

7811140125 Forwards Monthly Oper Rept for Oct 1978.
MOODY, D E Vermont Yankee Nuclear Power Corp 78/11/10 1p. 94425: 224.

--7811140127 Monthly Oper Rept for Oct 1978.
BJOREN, R M Vermont Yankee Nuclear Power Corp. 78/11/10. 8pp. 94425 225.

7811290290 Forwards Monthly Oper Rept for Nov 1978.
MOODY, D E Vermont Yankee Nuclear Power Corp. 78/12/11. 1p. 94409: 206

--7811290292 Monthly Oper Rept for Nov 1978.
BJOREN, R M Vermont Yankee Nuclear Power Corp. 78/12/11. 6pp. 94409: 207.

B. Reportable occurrences, LERs & related correspondence

7812180173 Forwards LER#78-021/03L-0.
CONWAY, W F Vermont Yankee Nuclear Power Corp. 78/07/24. 1p. 94399: 357.

--7812180176 LER#78-021/03L-0 on 780612 during steady state oper, noted that drywell atmospheric temp recorder TR-1-149 was inoperable. Recorder failed due to failed idler assembly.
CONWAY, W F Vermont Yankee Nuclear Power Corp. 78/07/24. 2pp. 94399 358.

7812180193 Forwards LER#78-017/03L-0
CONWAY, W F Vermont Yankee Nuclear Power Corp. 78/07/24. 1p. 94366: 097.

--7812180199 LER#78-017/03L-0 on 780626 during reactor pur increase noted that local critical pur ratio in 4 symmetrically located fuel bundles was lower than Tech Spec levels. Caused by pur increasing xenon transient.
CONWAY, W F Vermont Yankee Nuclear Power Corp 78/07/24. 2pp. 94366: 098

7812180213 Forwards LER#78-016/03L-0.
CONWAY, W F Vermont Yankee Nuclear Power Corp. 78/07/24. 1p. 94365: 072.

--7812180216 LER#78-016/03L-0 on 780625 during steady state oper, noted that drywell atmospheric temp recorder TR-1-149 was inoperable. Caused by recorder failure due to broken cord on chart drive mechanism.
CONWAY, W F Vermont Yankee Nuclear Power Corp 78/07/24. 2pp. 94365 073

7812180190 Forwards LER#78-019/03L-0
CONWAY, W F Vermont Yankee Nuclear Power Corp 78/07/25. 1p. 94366: 090

--7812180194 LER#78-019/03L-0 on 780629 during steady state oper Motor Control Ctr B93 lost voltage because "D" Uninterruptible Pur Supply (UPS) tripped due to blown inverter leg fuse. Failed components replaced & operability test performed.
CONWAY, W F Vermont Yankee Nuclear Power Corp. 78/07/25. 2pp. 94366 091

7812180237 Forwards LER#78-017/03L-1
CONWAY, W F Vermont Yankee Nuclear Power Corp. 78/08/10. 1p. 94399: 332

--7812180241 LER#78-017/03L-1 on 780626 during increase of reactor pur, noted that critical pur ratio in 4 symmetrically located fuel bundles was below Tech Spec values. Caused by pur increasing xenon transient.
CONWAY, W F Vermont Yankee Nuclear Power Corp. 78/08/10. 2pp. 94399 333

7810310244 Forwards LER#78-030/03L-0
CONWAY, W F Vermont Yankee Nuclear Power Corp. 78/10/26. 1p. 94091: 328

--7810310248 LER#78-030/03L-0 on 780926 small amount of radiiodine was released during third quarter, exceeding Tech Spec level, due to faulty fuel cladding. Amount released is small fraction of maximum release allowed, & there was no hazard to pub.
CONWAY, W F Vermont Yankee Nuclear Power Corp. 78/10/26. 2pp. 94091 329

7811160102 Forwards LER#78-031/03L-0.
CONWAY, W F Vermont Yankee Nuclear Power Corp. 78/11/13. 1p. 94135: 102.

--7811160103 LER#78-031/03L-0 on 781016 weekly review of completed surveillance test following plant startup noted that monthly hydrogen detector functional test was not performed due to personnel error.
CONWAY, W F Vermont Yankee Nuclear Power Corp. 78/11/13. 2pp. 94135 103

7811160128 Forwards LER#78-032/03L-0
CONWAY, W F Vermont Yankee Nuclear Power Corp. 78/11/13. 1p. 94135: 226.

--7811160130 LER#78-032/03L-0 on 781014 during surveillance test of Main steam Isolation Valves, V2-B6C closed in 2.6 seconds rather than 3-5 seconds req in Tech Spec 4.7.D.1.a.1. Caused by closing speed control valve coming loose from actuator.
CONWAY, W F Vermont Yankee Nuclear Power Corp. 78/11/13. 2pp. 94135 227.

7812180219 Forwards LER#78-033/03L-0.
CONWAY, W F Vermont Yankee Nuclear Power Corp. 78/12/13. 1p. 94398: 339.

--7812180222 LER#78-033/03L-0 on 781113 during weekly surveillance re radiological environ prog, air pump motor was found inoper. Time meter indicated pump had operated only 0.4 hours. Air pump replaced & new weekly air sample initiated.
CONWAY, W F Vermont Yankee Nuclear Power Corp 78/12/13. 2pp. 94398 340

DOCKET 50-272 SALEM NUCLEAR GENERATING STATION, UNIT 1

F. Security, medical, emergency & fire protection plans

7811300022 Forwards findings of staff review of subj fac11 780803 security plan. Enc1#1 lists areas NRC considers unresolved, withheld from pub disclosure IAW 10CFR2.790. Enc1#2 is Review Guideline re plant protec from sabotage by insiders.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/16. 4pp. 94070: 337.

7812040224 Requests addl info re subj fac11 Security Plan. Forwards list of Unresolved issues (withheld from disclosure) & Review Guideline "Protect of Nuc Pur Plants Against Industrial Sabotage by the Insider."
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/16.

3040225 Review Guideline#23 "Protect of Nuc Pur Plants Against Industrial Sabotage by the Insider" Refers to security measures that place controls on access to vital areas
ARK, R. A. Reactor Safeguards Licensing Branch (Pre 791030).
3/11/06. 3pp.

0206 Responds to 781116 request for info on security plans w/ incl detailed study to determine Type I & II vital vs is unnecessary & requests response to issues raised in ltr re "insider" control procedures
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey
2/14. 2pp. 94279:096

210210 Appraises Reactor safeguards Licensing Branch Review Guideline#23 "Protect of Nuc Pur Plants Against Industrial Sabotage by the Insider" re compartmentalization, two-man ops, personnel reliability.
EMEN, J. E. KMC, Inc. 78/11/28 5pp. 94279:098

indicatory correspondence

0322 NRC Staff requested to inform ASLB & concerned parties of date upon which Staff will complete safety eval & reanalysis re subj Facil
DILLIN, G. L. Atomic Safety and Licensing Board Panel 78/10/12.
94195:185.

0337 NRC Staff response to ASLB Order of 781012 requesting info publication of Staff documents NRC Staff asserts that it not be able to publish these documents before Jan 1979 to unavailability of key tech reviewer.
F. B. H. Office of the Executive Legal Director. 78/10/24 App. 6:299.

0259 Motion by Pub Advocate of St of NJ on behalf of intervenors Ed & Eleanor Coleman, to convene ASLB to receive pub testimony. Motion based on principles reflected in
DILLIN, G. L. Atomic Safety and Licensing Board Panel 78/11/09. 5pp. 94417:129

0351 Licensee's opposition to motion of intervenors A & E Coleman to convene the Bd to receive pub testimony. Urges denial of reqs. Feels Pub Advocate is invoking nonexistent legal & should become a full party if truly interested.
ERMAHN, M. J. Conner, Moore & Corber. 78/11/22. 6pp. 94131:016

0227 NRC Staff's response in opposition to Motion by intervenors A & E Coleman to convene ASLB to receive pub testimony. Staff sees taking of evidence from persons making a limited release. Cert of Svc encl.
F. B. H. Office of the Executive Legal Director. 78/11/29. 8pp. 1:348.

0227 Forwards 780523 ltr for file & requests ack of receipt. Issues concern re pending appl to modify existing permits re fuel storage at subj site.
MART, H. D. New Jersey, State of 78/12/08. 1p. 94139:240

0301 Licensee's Objections to certain of Mr & Mrs AC Coleman, Jr's 1st set of Interrog to the Licensee. Licensee moves for order that objectionable discovery not be had. W/encl re order, contentions & Cert of Svc.
ERMAHN, M. J. Conner, Moore & Corber. 78/12/11. 18pp. 1:157.

0444 Response by licensee PSE&O to intervenors A & E Coleman's 1st set of Interrog dated 781121. Interrog concerns inter spent fuel reprocessing & radiat levels in spent fuel. Cert of Svc encl.
MOR, R. Public Service Electric & Gas Co. of New Jersey. 7/11. 32pp. 94082:321.

reference & indemnity information

159 Forwards 8 certified copies of captioned endorsement for 1978 premium. Advanced premiums & standard premium payment encl.
EY, T. F. Nuclear Insurance Consultants 78/11/02. 2pp. 1:130.

275 Forwards Amend#5 to Indemnity Agreement#B-74. Copy has been filed by all licensees.
THOR, R. Public Service Electric & Gas Co. of New Jersey. 7/21. 1p. 94393:214.

0276 Amend#5 to Indemnity Agreement#B-74, effective 781004, instituting replacement lic numbers.
IZMAN, J. Antitrust & Indemnity Group. 78/11/21. 1p. 98:213.

7812040223 Forwards Licensee Endorsement #24 to MAELU Policy WMF90 for rev of 1978 premium
HARTLEY, T. F. Nuclear Insurance Consultants 78/11/28 2pp

P. Operating license stage documents & correspondence

7812050004 Forwards Licensee Performance Eval Questions for subj Facil in response to 771123 request. Feels it is possible that dev of statistical methodology for such eval may not justify the effort. Qualitative eval may be as good. Urges 1-year test.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 77/12/13 12pp

781010091 Responds to 780913 NRC request for schedule for submittal of rev ECCB analysis w/ corrected zirconium-water heat generation calculations. Results will be available by November 1978
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey 78/09/26 1p. 94065:349

7810180092 Forwards tables re total amount of water diverted from well each month & chloride analysis of water from Wells #1, 2, 3, & 5 for 780701-780930
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey. 78/10/10 3pp. 94401:025

7810170132 Forwards Amend#44 to Lic Appl for subj facil, consisting of addl financial info as requested by 780419 NRC ltr
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey 78/10/11. 1p

--7810170133 Forwards Amend#44 to Lic Appl for subj facil, pertaining to general & financial info.
MARTIN, T. J. Public Service Electric & Gas Co. of New Jersey 78/10/11 2pp.

--7810170133 Amend#44 to Lic Appl for subj facil. Contains addl financial info.
* Public Service Electric & Gas Co. of New Jersey. 78/10/11. 1764pp.

7810250118 Addl info submitted in support of appl to increase spent fuel storage capacity. Covers procedures used to insure fuel storage racks are leak tight & summary of matl properties used in rack.
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey. 78/10/13. 11pp. 94392:265

7810240083 Forwards request for amend to Facil Oper Lic WDPB-70 re change in reporting responsibility of Station QA Engineer.
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey. 78/10/17. 9pp

781270006 Discusses daily staff notes for 781023 re CEIL's intention to replace recirculation inlet nozzle safe ends. Failure of Reactor Coolant Pump at PSE&O Facil & 15,000 gal of water leaking into containment & inventory at Nuc Fuel Svcs.
* Office of the Executive Director for Operations 78/10/24. 1p. 94272:261.

7811060089 Responds to 780831 ltr requesting info re pulsation dampers & other mech devices utilized to eliminate excessive positive displacement charging pump vibration. Repts no pulsation dampers used at positive displacement pump.
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey. 78/10/27. 3pp. 94424:102.

7811060091 Submits addl info to support appl to increase spent fuel storage capacity at subj facil: Neutron Absorber Spent Fuel Cell Corrosion Swelling Test, Fuel Bundle Recovery from Bulged Fuel Cell, Fuel Storage Rack Inspect. Test, Surveillance
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey. 78/10/31. 24pp. 94424:118.

7811220259 Summary of 781003 meeting re PSE&O's proposed spent fuel pool mod. Items discussed incl: 2.08 linear elastic limit for faulted condition, ability of new racks to withstand accidental drop & rack struc analyses.
ZECH, G. O. Operating Reactors Branch 1 (Pre 790623). 78/11/07. 7pp. 94379:323.

7811290288 Responds to 781106 request for info concerning licensee re performance eval for Region 1 plants by NRC. Provides details.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/09. 9pp.

7812150212 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out mail W/encl Registration Form & List of Locations
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030).
78/11/15. 5pp.

7812180283 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
GRIMES, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94365-117.

781240219 Forwards addl info in support of subj util's appl to increase the spent fuel storage capacity at subj facil.
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey.
78/11/20. 3pp. 94498-214.

7812070191 Notice of seminar on 781208 on new model Radiological Effluent Tech Specs for nuc pur plants. Requests advance submission of seminar specific questions W/encl Seminar Info Sheet, Proposed Agenda & maps.
GRIER, B. H. Region 1, Philadelphia, Office of the Director.
78/11/21. 6pp. 94375-057.

7812140332 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing W/encl AND
47812080207
SCHNEIDER, W. F. Operating Reactors Branch 1 (Pre 790625). 78/11/28. 6pp. 03597-046.

7812080039 Forwards proprietary & non-proprietary rept "Dynamic Analysis of the Reactor Coolant Sys for Loss of Coolant Accidents: Salem Nuc Generating Stations 1 & 2." affidavit for Withholding & Appl for Withholding
ANDERSON, T. M. Westinghouse Electric Corp. 78/12/01. 2pp.

--7812080043 "Dynamic Analysis of the Reactor Coolant Sys for LQAs."
* Westinghouse Electric Corp. 78/12/01. 160pp.

7812280045 Emphasizes importance of submitting accurate & complete info to NRC by licensee & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. G. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94133-220.

7812050013 Requests views of Regional Directors on Licensee performance eval of subj facils. Forwards questions to be answered by 771209.
THORNBURG, H. Division of Reactor Construction Inspection. 77/11/23. 2pp.

7812290240 Requests that PBEO reexamine 780628 & 780731 ltr requests after review of enclosed NRC Amend to 10CFR21 that was issued on 781019.
DENTON, H. R. Office of Nuclear Reactor Regulation, Director.
78/12/18. 4pp. 94191-247.

7812290181 Responds to 781128 ltr & requests extension to 790201 to complete review of containment purging during normal plant oper. Extension will not adversely affect plant safety.
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey.
78/12/21. 1p. 94190-333.

G. Inspection reports, IE Bulletins & correspondence

7811300295 Forwards IE Inspec Repts#50-272/78-23, 50-311/78-27 on 780812-0916 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/10. 2pp. 94075-149.

--7811300298 IE Inspec Repts#50-272/78-23, #50-311/78-27 on 780812-0916 during which no items of noncompliance were noted. Major areas inspected incl: routine inspec of oper & construct.
NORRHOLM, L. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/10. 13pp. 94075-151.

7811290387 Forwards IE Inspec Rept#50-272/78-24 on 781012-15 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/12. 2pp. 94181-159.

7811060173 Forwards IE Circular#78-17. (See AND: 7810230221, Docket #50-133/781013.)
GRIER, B. H. Region 1, Philadelphia, Office of the Director.
78/10/13. 1p. 94489-103.

7811290389 IE Inspec Rept#50-272/78-24 on 781012-15 during which no items of noncompliance were noted. Major areas inspected incl: surveillance calibr of safety related components.
CONTE, R. J., ZIMMERMAN, R. P. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/13. 12pp. 94181-161.

7811130115 Ack receipt of 780928 ltr in response to 780906 & 780612 NRC ltr informing NRC of steps taken to correct deviations noted in Inspec Repts#50-272/78-18 & 50-311/78-13.
GRIER, B. H. Region 1, Philadelphia, Office of the Director.
78/10/30. 1p. 94076-090.

--7811130119 Responds to 780906 NRC ltr re deviation noted in Inspec R #50-272/78-18. Util claims alleged violation was not & did not represent noncompliance w/10CFR50.59 since substandard procedures are controlled by QA Prog to comply w/FBAR.
SCHNEIDER, W. F. Public Service Electric & Gas Co. of New Jersey.
78/09/29. 2pp. 94076-091.

7812010345 Forwards licensee performance evaluation for Region 1. No operating reactor in Region 1 considered to have either abnormal or unusual safety concern.
GRIER, B. H. Region 1, Philadelphia, Office of the Director.
78/11/01. 4pp. 00002-259.

7811290193 Forwards IE Circular #78-1B, "UL Fire Test." W/encl AND:
7811150002
GRIER, B. H. Region 1, Philadelphia, Office of the Director.
78/11/06. 1p. 94239-284.

7812270417 Forwards IE Inspec Repts#50-311/78-35 & 50-272/78-25 on 780917-1014 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/13. 2pp. 94312-308.

--7812270423 IE Inspec Repts#50-272/78-25 & 50-311/78-35 on 780917-1014 during which no items of noncompliance were noted. Major areas inspected incl: test prog controls, log & record review, Emergency Drill, preoper plant personnel training.
NORRHOLM, L. J., KEIMIG, R. R. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/06. 15pp. 94312-310.

7812280009 Forwards IE Inspec Rept#50-272/78-25 & #50-311/78-35 on 780917-1014 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/13. 2pp. 94130-149.

--7812280012 IE Inspec Repts#50-272/78-25 & #50-311/78-35 on 780917-1014 during which no items of noncompliance were noted. Major areas inspected incl: tours of facil, log & record reviews, observation of emergency drill & review of recent LERS.
NORRHOLM, L. J., KEIMIG, R. R. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/06. 15pp. 94130-151.

7812180022 Forwards IE Bulletin#78-12A, Suppl to IE Bulletin 78-12. W/encl AND: 7811300055.
GRIER, B. H. Region 1, Philadelphia, Office of the Director.
78/11/24. 1p. 94133-286.

7812110150 Cladding Flaws detected May 1976 in Unit 1 Steam Generator #14 have been inspec w/ultrasound & TV. Interprets Tech Specs as limiting TV inspec to areas where results can be correlated w/ultrasound inspecs.
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey.
78/11/27. 2pp. 94393-274.

R. Periodic operating reports & related correspondence

7810160084 Forwards Monthly Oper Rept for Sept 1978.
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey.
78/10/10. 1p.

--7810160090 Monthly Oper Rept for Sept 1978.
MILLER, L. K. Public Service Electric & Gas Co. of New Jersey.
78/10/10. 15pp.

7810180128 Forwards Wastewater Treatment Rept for Sept 1978 for sewage treatment plant at subj facil.
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey.
78/10/10. 2pp. 94195-296.

7810180144 Forwards Discharging Monitoring Repts for subj facil for Sept 1978.
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey.
78/10/10. 19pp. 94316-328.

7810250103 Forwards "Impingement Monitoring Prog Rept #18" for Sept 1978
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey
78/10/18 1p 94392 276

--7810250104 "Impingement Monitoring Prog Rept #18 for September, 1978"
Impingement rate of weakfish is declining steadily
Public Service Electric & Gas Co. of New Jersey 78/10/18
6pp 94370 268

7810280113 Forwards tech rept "Summary Assessment of Weakfish Impingement Summer 1978"
SMITH, J. A. Public Service Electric & Gas Co. of New Jersey.
78/11/05 2pp. 94108 123

--7810280115 "Summary Assessment of Weakfish Impingement Summer 1978"
Concludes available data on population size, number impinged & survival indicate that impingement did not significantly impact on 1978 year-class of weakfish
Public Service Electric & Gas Co. of New Jersey 78/11/30
19pp 94108 123

7811160074 Forwards Monthly Oper Rept for Oct 1978.
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey.
78/11/09 1p 94133 147

--7811160075 Monthly Oper Rept for Oct 1978.
MILLER, L. K. Public Service Electric & Gas Co. of New Jersey.
78/11/09 17pp. 94133 148

7812120151 Monthly rept Oct 1978.
MILLER, L. K. Public Service Electric & Gas Co. of New Jersey.
78/11/09 2pp 94276 284

7811210323 Forwards Wastewater Treatment Rept for Oct 1978.
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey
78/11/10 2pp 94485 267

7812080134 Forwards Rept #19 on "Impingement Monitoring Prog" for Oct 1978
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey
78/11/20 1p 94108 308

--7812080136 "Impingement Monitoring Prog, Oct 1978," Rept #19. On 781012 reactor was taken out of svc for month & only 1 pump was in svc, resulting in low impingement rates before shutdown, fish not found in all samples, showing they are leaving area
Public Service Electric & Gas Co. of New Jersey. P77-54-19.
78/11/20 App 94108 309

7812150242 Forwards Monthly Oper Rept for Nov 1978.
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey.
78/12/11 1p. 94213 274

--7812150244 Monthly Oper Rept for Nov 1978.
MILLER, L. K. Public Service Electric & Gas Co. of New Jersey.
78/12/11 13pp. 94213 275

781210343 Forwards Discharge Monitoring Repts for Oct 1978.
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey.
78/11/17 10pp. 94484 342

B. Reportable occurrences, LERs & related correspondence

7810100028 Forwards LERN78-062/03L
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey.
78/10/03 1p. 94033 039

--7810100033 LERN78-062/03L-O on 780913: during normal oper the #12 Reactor Coolant Flow Channel 2 was not indicating due to failure of a Hagen Controls Signal Isolator.
KAPPLE, A. W. Public Service Electric & Gas Co. of New Jersey.
78/10/03 3pp.

7810100037 Forwards LERN78-063/03L-O.
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey.
78/10/03 1p. 94039 074

--7810100041 LERN78-063/03L-O on 780910: during normal oper the fan coil water flow trouble alarm sounded for #13 Containment Fan Coil Unit. Unit was declared inoper due to slit buildup in low pressure sensing line.
KAPPLE, A. W. Public Service Electric & Gas Co. of New Jersey.
78/10/03 3pp. 94039 075

7810100087 Forwards LERN78-064/03L-O.
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey.
78/10/03 1p. 94033 174

--7810100089 LERN78-064/03L-O on 780912 reactor trip setpoint greater than 1/8 limit during check of pressure protec channel 2
Caused by unstable output from comparator reading trip
bistable Comparator replaced
KAPPLE, A. W. Public Service Electric & Gas Co. of New Jersey
78/10/03 3pp 94033 177

7810200119 Forwards LERN78-061/01X-1.
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey.
78/10/16 1p 94401 205

--7810200125 LERN78-061/01X-1 on 780907 design defect which could allow airborne activity to be released from container to outside atmosphere noted. Caused by design deficiency Change initiated in procedure
KAPPLE, A. W. Public Service Electric & Gas Co. of New Jersey
78/10/16 3pp. 94401 208

7810230243 Forwards LERN78-063/03L-O
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey.
78/10/18 1p. 94032 283

--7810230249 LERN78-063/03L-O on 780924 containment isolation valve to be electrically inoperable in closed direction. Normally closed auxiliary contacts in opening main contactor found to be open. Auxiliary contact assembly replaced
KAPPLE, A. W. Public Service Electric & Gas Co. of New Jersey
78/10/18 3pp. 94032 284

7810230252 Forwards LERN78-066/03L-O.
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey
78/10/18 1p. 94165 099

--7810230255 LERN78-066/03L-O on 780929 inner door of 100 foot elevator air lock inner door exceeded maximum leak rate. Caused by improper latch adjustment due to normal oper & maintenance wear. Door latch readjusted.
KAPPLE, A. W. Public Service Electric & Gas Co. of New Jersey
78/10/18 1p 94165 100

7810230295 Forwards LERN78-068/03L-O
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey.
78/10/18 1p. 94164 188

--7810230304 LERN78-068/03L-O on 781004 Personnel air lock inner door exceeded maximum leak rate. Cause was improper latch adjustment caused by wear. Roller latch readjusted & test reformed to confirm operability.
KAPPLE, A. W. Public Service Electric & Gas Co. of New Jersey
78/10/18 2pp. 94164 189

7810310137 Reportable Occurrence 78-70/01P on 781021, failure of #13 reactor coolant pump shaft seals resulted in excessive leakage of primary coolant into containment. Detailed rept will follow
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey
78/10/23 1p 94090 159

7811130266 RD 78-70/01P on 781021, #13 Reactor coolant pump shaft seal failed, resulting in excessive leakage of primary coolant into container. Detailed RD Rept will be submitted
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey.
78/10/23 1p. 94011 210

7810310180 Confirms 781024 verbal rept of RD Low pressure in control air sys caused operation of air operated deluge valves, necessitating operation of fire pumps in manual mode. LER will follow.
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey
78/10/24 1p. 94090 238

7811130263 Ack 781024 verbal rept to L Norrholm advising of reportable occurrence re oper of fire pumps in manual mode resulting from low pressure in the control air sys & caused by operation of deluge valves. RD rept will be submitted
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey.
78/10/24 1p. 94011 208

7810310254 Forwards LERN78-067/03L-O
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey.
78/10/20 1p. 94094 284

--7810310260 LERN78-067/03L-O on 780929: missing fire barrier in cable penetration identified. Caused by failure of admin controls to pressure fire barrier installation. Cable penetration was immediately properly sealed. Others to be inspected by 781101
KAPPLE, A. W. Public Service Electric & Gas Co. of New Jersey.
78/10/26 3pp. 94094 285

KAPPLE, A. W. Public Service Electric & Gas Co. of New Jersey.
78/11/01 3pp 94040:185.

7811070178 Forwards LER#78-070/01T-0
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey.
78/11/02 1p 94044:181.

--7811070181 LER#78-070/01T-0 on 781021: during Mode 4 oper. while heating up to enter Mode 3, high flow thru #13 RCP seals & other alarms indicating RCB leakage observed. Cause unknown; suppl rept to be submitted when cause discerned.
KAPPLE, A. W. Public Service Electric & Gas Co. of New Jersey.
78/11/02 3pp 94044:182.

7811070266 Forwards LER#78-069/03L-0.
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey.
78/11/02 1p 94040:193.

--7811070268 LER#78-069/03L-0 on 781011: while investigating 1B Diesel Alarm, heater leaking chromated water into pre-lube pump motor was discerned. Leak caused by corrosion of element sheath of 2 of the 3 heater elements.
KAPPLE, A. W. Public Service Electric & Gas Co. of New Jersey.
78/11/02 3pp 94040:194.

7811170181 Reportable Occurrence#78-72/01P: high external radiat levels in fan coil unit detector location would result in isolation of svc water to fan coil units, would render them inoperable. Detailed rept to follow.
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey.
78/11/07 1p 94048:138.

7811280460 Reportable Occurrence 78-72/01P on 781106: design deficiency re high radiat levels in gen area of containment fan coil unit would be sufficient to cause monitors to alarm & perform isolation function. Engr dept to change design.
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey.
78/11/07 1p 94376:227.

7811220107 Forwards comments in the form of redraft of Commission paper re proposed Fed Register Notice "Abnormal Occurrence Event, Loss of Containment Integrity" W/encl draft notice of issuance.
DENTON, H. R. Office of Nuclear Reactor Regulation, Director.
78/11/11 15pp 94273:306.

7811200201 Forwards LER#78-043/03L-1.
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey.
78/11/14 3pp 94252:037.

--7811200203 LER#78-043/03L-1 on 780808: as reactor pur was increased a deviation alarm would not clear & a QPTR calculation showed a QPTR of 1.03%. Due to large load reduction Design change will delete the less than 50% pur alarm.
KAPPLE, A. W. Public Service Electric & Gas Co. of New Jersey.
78/11/14 1p 94252:040.

7811240132 Forwards LER#78-072/01T-0.
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey.
78/11/20 1p 94457:001.

--7811240137 LER#78-072/01T-0 on 781106: during Mode 5 oper, all containment fan coil units were found inoper due to tripped svc water valves, caused by design deficiency in detector installation.
KAPPLE, A. W. Public Service Electric & Gas Co. of New Jersey.
78/11/20 3pp 94457:002.

7811280304 Forwards LER#78-043/03L-0.
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey.
78/11/22 1p 94395:302.

--7811280313 LER#78-043/03L-0 on 780808: during normal oper, after 45% pur reduction to less than 50% for maint, reactor pur increased to 51%. Deviation alarm would not clear & QPTR was 1.03%. QPTR was not discovered sooner because of alarm indications.
KAPPLE, A. W. Public Service Electric & Gas Co. of New Jersey.
78/11/22 1p 94395:303.

--7812140169 LER#78-073/01T-0 on 781127: 1B Vital Instru Bus was lost causing reactor trip. Safety injection followed & 1B Diesel #11 Charging & #12 RHR pumps failed to start. Caused by bad output transformer in supply inverter.
KAPPLE, A. W. Public Service Electric & Gas Co. of New Jersey.
78/12/11 4pp 94088:143.

7812220085 Forwards LER#78-075/03L-0.
LIBRIZZI, F. P. Public Service Electric & Gas Co. of New Jersey.
78/12/18 1p 94343:331.

--7812220086 LER#78-075/03L on 781130: during oper w/containment entry in progress, inner door of air lock 130 would not fully open, caused by failed cam roller on inner door operating mechanism. Air lock repaired, tested, returned to svc.
KAPPLE, A. W. Public Service Electric & Gas Co. of New Jersey.
78/12/18 2pp 94343:332.

DOCKET 50-274 U. S. GEOLOGICAL SURVEY RESEARCH REACTOR

H. General correspondence

7812200238 Effective 790101, Administrator of the geological survey TRIGA reactor will be AP. Marranino.
CLEBBCH, A. Interior, Dept. of, Geological Survey. 78/12/14 1p 94162:337.

P. Operating license stage documents & correspondence

7810230134 Repts slow droptime for transient rod in subj reactor, due to faulty cylinder & seal. Repair completed by 780927.
CLEBBCH, A. Interior, Dept. of. 78/09/27 2pp 94271:180.

781090063 Requests change to paragraph 2.B of lic to read "to receive possess & use up to 5 kg U-235 for use in connection w/oper of reactor."
CLEBBCH, A. Interior, Dept. of. 78/10/11 2pp 94040:122.

DOCKET 50-275 DIABLO CANYON NUCLEAR POWER PLANT, UNIT 1

A. Application/construction stage documents & correspondence

7810140114 Forwards matl in support of oper lic appl re environ qualification of equip. Requests ack of receipt of Matl.
CRANE, P. A. Pacific Gas & Electric Co. 78/09/21 16pp 94421:081.

7810130058 Forwards responses to informal questions posed by 780804 NRC memo on seismic qualifications. Submission is nonproprietary version.
CRANE, P. A. Pacific Gas & Electric Co. 78/09/22 64pp 94081:184.

7810190071 In response to 780321 NRC request for addl info on containment purging, forwards answers to questions, draft Tech Specs & rept on "Analysis of Off-Site Exposures due to LOCA coincident w/Containment Purging."
CRANE, P. A. Pacific Gas & Electric Co. 78/09/27 106pp 94323:001.

7810170179 Forwards response to 780728 ltr re reactor vessel matl properties noncompliance w/10CFR50, Appendix G, fracture toughness requirements, & 10CFR50, Appendix H, reactor vessel matl surveillance prog requirements.
CRANE, P. A. Pacific Gas & Electric Co. 78/10/02 8pp 94270:073.

7810310224 Forwards responses to 780728 NRC ltr re reactor vessel matl properties noncompliance w/10CFR50 toughness & surveillance requirements. Requests ack of receipt.
CRANE, P. A. Pacific Gas & Electric Co. 78/10/02 8pp 94090:339.

7810170221 Submits info re "degraded grid voltage" as result of discussions w/Instrumentation & Control Bus Branch reviewer on 780929 as suppl to previous submittals on second level under/over voltage protec. Design is acceptable by 1C88 rev.
CRANE, P. A. Pacific Gas & Electric Co. 78/10/04 1p 94236:165.

DOCKETED ITEMS

111

730038 Ack receipt of 780906 ltr re subj facil. Provides info on seismic assessment of site, decomm estimate & waste mgt.
JAMES, W. J. Office of the Executive Director for Operations.
10/06. 3pp. 94052:335.

6230042 Requests addl info re issuance of constr permit.
LUTON, P. House of Rep. 78/09/06. 1p. 94052:338.

90294 Trip rept: plant visit & meeting w/applicant on 780903 to case remaining open issues re subj facil. W/summary of finding unresolved issues.
P. A. Structural Engineering Branch. 78/10/06. App. 94239:247.

70205 Attached Table 6.3-10, which appeared in Amend 67, has been changed as indicated to reflect Staff's concerns re added valve position & function. Changes to be documented in use amend. Five copies of submittal sent to D. Allison.
NE, P. A. Pacific Gas & Electric Co. 78/10/10. 2pp. 94235:337.

60118 Forwards amend fee per 780811 & 23 requests for extension of sat completion dates of CPPR-69 & CPPR-39.
NE, P. A. Pacific Gas & Electric Co. 78/10/11. 2pp. 94005:162.

70229 Summarizes discussion w/NRC, PGE, & GE on 780830 in Bethesda, re electrical penetration qualification.
NE, P. A. Pacific Gas & Electric Co. 78/10/11. 4pp. 94236:173.

90206 Responds to requests of 780811 & 780823 by issuing Order modifying constr completion dates for subj facil.
2. J. F. Light Water Reactors Branch 1. 78/10/13. 3pp. 94230:303.

950212 Order extending constr completion dates for subj facil to 10430 for Unit 1 & 781031 for Unit 2. Eval of Request for extension of Constr Permit encl.
N.D. R. B. Division of Project Management. 78/10/13. 2pp. 94232:356.

9219 Forwards seismic design audits & lists equip qualified for use in environ.
BON, D. P. Light Water Reactors Branch 1. 78/10/16. 34pp. 94112:112.

960225 Rept of seismic analysis & struc design eval used in viewing turbine pedestals for response to postulated 7.5M eqrt earthquake.
DOM, J. A. Pacific Gas & Electric Co. 78/09/15. 38pp.

0257 Forwards gen repair prog for arc strikes & weld spatter on Code Class 1, 2 & 3 pressure boundaries, in accordance w/requirements of ASME Code section XI, summer 1978 addendum, encl.
P. A. Pacific Gas & Electric Co. 78/10/16. 2pp.

0399 Summary of 781012 meeting re seismic qual of elec equip. Award test results of elec equip. Did not discuss review tech aspects of test involving type & severity of loading. W/encl list of attendees & results of discussion.
BON, D. P. Light Water Reactors Branch 1. 78/10/18. 13pp. 94130:309.

9381 Summarizes 781005 meeting re subj facil review scheduled. Object setting to discuss status of numerous specific items, review & to identify items of most concern re meeting scheduled. List of attendees encl.
BON, D. P. Light Water Reactors Branch 1. 78/10/18. 13pp. 94114:149.

9029 Summary of 781020 meeting re seismic qual of subj facil equip. 15 items found acceptable & 8 items needed mod. Items pertain to Instru/Control Sys. W/encl Branch Review 188 scope equip w/in Westinghouse qual prog.
BON, D. P. Light Water Reactors Branch 1. 78/10/20. 9pp. 94117:117.

021 References comments in matter of cross-examination of items to ACRS at licensing proc be decided as soon as ble. Comm will consider the matter on a generic basis. Address that it is a top-level policy question.
B. E. B. Atomic Safety and Licensing Board Panel. 78/10/27. 1p. 94319:19.

040 Ack receipt of 781020 NRC ltr. Repeats opposition to cross-examination procedures of ACRS consultants in licensing
P. A. Pacific Gas & Electric Co. 78/10/27. 1p. 94398:116.

7811080005 Forwards 781026 Gen Elec response to 780830 NRC questions re subj facil elec penetrations qual. Some info is new.
ALLISON, D. Light Water Reactors Branch 1. 78/10/20. 3pp. 94397:343.

--7811080008 Responds to questions raised at 780830 meeting w/NRC re qualification of elec penetration assemblies for subj facil. Addresses justification of qual by similarity, verification of repaired assemblies & GE knowledge of repair.
CLEVELAND, J. W. General Electric Co. 78/10/16. 14pp. 94397:346.

7811070271 Advises that cannister-type penetrations meet environ qual requirements consistent w/those found acceptable for Three Mile Island. Also supplies data re rain line steam break analysis & use of diesel generator under test.
CRANE, P. A. Pacific Gas & Electric Co. 78/11/02. 2pp. 94040:284.

7811200366 Forwards GE draft ltr re testing of penetrations-adequacy of repair. GE tested a leaking-unrepaired penetration to test epoxy seal & concluded that a repaired penetration should not act differently.
LAINAS, G. Plant Systems Branch (Pra 791030). 78/11/09. 1p. 94419:211.

--7811200384 Responds to 780830 NRC ltr questioning qual of elec penetration assemblies supplied to subj facil Incl attachment on "Comparison of Cannister & 100 Series Penetration Designs".
CLEVELAND, J. W. General Electric Co. 78/10/26. 13pp. 94419:212.

--7811200392 Final prototype test rept "Millstone 2 Elec Penetration Post-LDCA Prototype Test". Low voltage pur & control modules were subjected to 165F degree, 3 psig, 100% RH environ for 32 weeks. Leakage rate was less than 1x10 to 8 pur cc He/sec.
LURIA, N. G. General Electric Co. 78/11/09. 4pp.

7811210234 Forwards seismic qual summary forms for all WE valves identified in Tables 7-7 & 7-7A of "Hosgri Rept."
ANDERSON, T. M. Westinghouse Electric Corp. 78/11/10. 33pp. 94487:149.

7811210318 Presents ACRS conclusion from 781102-04 meeting that Dr Luto's concerns re seismic eval bases for subj facil were considered in findings & recommendations in 780714 ACRS rept.
LAHROSKI, B. ACRS - Advisory Committee on Reactor Safeguards. 78/11/07. 1p. 94482:175.

7812050083 Forwards RevM1 Draft Radiological Effluent Tech Spec for Pur's (NUREG-0472) & "Preparation of Radiological Effluent Tech Spec for Nuc Pur Plants" (NUREG-0133). W/o encl AND: 7811270173 & 7811270180.
VABBALLO, D. B. Assistant Director for Light Water Reactors. 78/11/16. 6pp. 94326:164.

7811220181 Forwards Amend#72 & Amend#73 to Oper Lic appl.
CRANE, P. A. Pacific Gas & Electric Co. 78/11/20. 3pp. 94387:001.

--7811220182 Amend#72 & Amend#73 to Oper Lic appl w/addl matl for Hosgri Seismic Eval & FBAR, respectively.
SCHACKLEFORD, B. Pacific Gas & Electric Co. 78/11/15. 286pp. 94387:004.

7811300364 Informs PGE that NRC has contracted w/Mountain West Res Inc to undertake a series of post-licensing studies of nuc pur stations. Studies will analyze socioecon impacts which occurred during constr & post-constr periods of each plant.
DEVOUNG, R. C. Division of Site Safety & Environmental Analysis. 78/11/20. 2pp. 94116:299.

7811300079 Forwards log of contacts from 780419-780505 by resident PGE engr in Bethesda for liaison w/NRC.
ALLISON, D. P. Light Water Reactors Branch 1. 78/11/21. 12pp.

7812010010 Forwards staff eval of probabilistic seismic risk assessment covering: PGE studies on probabilities of earthquakes & resulting ground acceleration at site, & probabilities of various consequences.
BIDLE, J. F. Light Water Reactors Branch 1. 78/11/21. 3pp. 94409:128.

--7812010014 Discusses PGE studies in 1977-78 on probabilistic eval of earthquakes hazard. Various assumptions are questioned.
STEPP, J. C. Geosciences Branch. 78/03/08. 4pp. 94409:131.

--7812010013 Forwards staff eval of Amend 52 to lic appl re Risk to Pub

--7812010019 Clarifies certain points of eval of analysis of risk to pub
From seismic events contained in 780908 memo. Covers
probability of Core meltdown, & earthquake probabilities
BHL, A.R. Probabilistic Analysis Branch (Pre 791030). 78/11/06.
2pp. 94409-144

7812210229 Forwards seismic test procedure for subj facil 4160V Class
1E Switchgear Bus Undervoltage Relays.
CRANE, P.A. Pacific Gas & Electric Co. 78/11/28. 1p. 94279-129.

--7812210235 Seismic test procedure for 4160V Class 1E Switchgear.
Undervoltage Relays, demonstrates relays performance while
being switched on & off during the shake.
HERBST, J.E., NIELSEN, D., COLWELL, J.W. Pacific Gas & Electric Co.
78/11/27. 3pp. 94279-130

781220200 Requests addl info re means of accomplishing quality inspect
at subj Facil.
STOLZ, J.F. Light Water Reactors Branch 1. 78/11/30. 3pp.
94276-061.

7812210197 Forwards seismic test procedure for subj facil diesel
generator control cabinet.
CRANE, P.A. Pacific Gas & Electric Co. 78/11/30. 1p. 94279-068.

--7812210209 Seismic test procedure for diesel generator control cabinet.
Tests will demonstrate that relays are capable of changing
state during a seismic event if necessary.
HERBST, J.E., NIELSEN, D., COLWELL, J.W. Pacific Gas & Electric Co.
78/11/30. 9pp. 94279-069.

7812210223 Forwards seismic test procedure for subj facil local starter
LPF36.
CRANE, P.A. Pacific Gas & Electric Co. 78/12/01. 1p. 94279-121.

--7812210225 Seismic test procedure for local starter LPF36. Tests will
determine if LPF36 motor contacts main pur contacts change
state during a seismic event.
YOUNG, R.A., NIELSEN, D., COLWELL, J.W. Pacific Gas & Electric Co.
78/12/01. 3pp. 94279-122.

7812210161 Forwards 8 requests for exemption from ASME Code Section 11
pump & valve testing requirements. Requests 1 thru 4 are
continuations of attachments 7 & 9 to 771010 PGE ltr re
compliance w/Section 50.55a(g), 10CFR50.
CRANE, P.A. Pacific Gas & Electric Co. 78/12/06. 10pp. 94276-343.

7812100389 Forwards 781101 ltr from Wiley Labs re test mounting
configurations for seismic qual testing of elec equip. This
memo places matl in File & the PDR & informs parties of info
availability.
ALLISON, D.P. Light Water Reactors Branch 1. 78/12/06. 3pp.
94292-231.

--7812100390 Clarifies questions raised at 781020 meeting re test prog
for elec equip.
SHIPWAY, G.D. Affiliation Unknown. 78/11/01. 2pp. 94292-234.

7812150033 Forwards informal info "Investigation of A Seiche due to
Design Spectra at Raw Water Storage Reservoir, Subj Facil
Nuc Proj." by CE Cecilio discussing potential for seicheing in
raw water reservoir.
ALLISON, D.P. Light Water Reactors Branch 1. 78/12/06. 20pp.
94210-030.

7812210193 Forwards seismic test procedure for 125 VDC switchgear,
distribution panel & mold case circuit breakers & test rept
entitled "Seismic Testing of Safety-Related Elec Equip for
PGE."
CRANE, P.A. Pacific Gas & Electric Co. 78/12/06. 4pp. 94279-027.

--7812210200 Seismic test procedure for 125 volt DC switchgear,
distribution panel & mold case circuit breakers.
PATTERSON, H., GOAD, L.F., SHIPWAY, G.D. Pacific Gas & Electric Co.
78/11/28. 34pp. 94279-031.

7812280099 Emphasizes importance of submitting accurate & complete info
to NRC by licensees & applicants. Info submitted must be
substantiated by data & calculations. Licensee must notify
NRC of any inaccuracies or enforcement action will result.
DAVIS, J.Q. Office of Inspection & Enforcement, Office of the
Director. 78/12/06. 2pp. 03553-311.

7812190143 Forwards rept presenting results of a large-break loss-of-
coolant(LDCA) accident. New analysis incorp a correction to
clad-water heat of reaction calculation & recent ECCS eval
model improvements.
CRANE, P.A. Pacific Gas & Electric Co. 78/12/07. 78pp. 94376-031.

7812180394 Forwards request for addl info re bolted connections in
linear supports of subj facil support base plates. Requests
response sched.
STOLZ, J.F. Light Water Reactors Branch 1. 78/12/08. 5pp.
94357-275

7812260217 Requests addl time to dev draft Appendix I Tech Spec.
Proposes submittal by 790216.
CRANE, P.A. Pacific Gas & Electric Co. 78/12/14. 1p. 94162-098

7812121013 Forwards 781107 ltr to Chairman Hendrie re ACRS review of
appl for permits to oper subj facil.
STOLZ, J.F. Light Water Reactors Branch 1. 78/11/14. 3pp.
94482-172.

E. NRC Safety Evaluation Report (SER), suppl & correspondence

7812070036 Forwards Suppl 8 to SER for subj facil.
VASSALLO, D.B. Assistant Director for Light Water Reactors.
78/11/15. 1p. 94462-032.

--7812070063 Forwards Suppl#8 to SER for subj facil.
STOLZ, J.F. Light Water Reactors Branch 1. 78/11/14. 3pp.
94462-033.

--7812070067 Suppl 8 to facility SER.
* Division of Project Management. 78/11/15. 110pp. 94462-001

7812050155 Forwards addl info to address Section 7 B, open item 3 of SER
Suppl 7, re environ qual of Fan Cooler Pur Cables. Attachment
#1 on Specs, Tests & Installation of Wires & Cables at subj
facil is not encl.
CRANE, P.A. Pacific Gas & Electric Co. 78/11/27. 12pp. 94335-074.

F. Security, medical, emergency & fire protection plans

7812290307 Summary of 780214-15 meeting w/util re subj facil fire
protec prog. All mods will be made prior to fuel loading.
HEARN, P.C. Auxiliary Systems Branch. 78/03/29. 33pp. 94181-306.

781210164 Forwards rev responses to NRC fire Protec Review questions
5, 8, 9, 21, 23, 24, 26-29, 45, 46 & 49-51 & rev rept "Supplementary
Info for Fire Protec Review." Review question items incl:
constr design, fire protec valves & automatic sprinklers.
CRANE, P.A. Pacific Gas & Electric Co. 78/11/13. 54pp. 94485-294.

--781210169 "Suppl Info for Fire Protection Review."
* Pacific Gas & Electric Co. 78/11/13. 138pp. 94486-001.

7812290400 Forwards suppl detailed info related to subj facil's seismic
design audits & the fire protection review. W/31 drawings
available in Central Files.
ALLISON, D.P. Light Water Reactors Branch 1. 78/11/21. 1029pp.
94182-001.

7812290102 Review of Fire Protec safety eval rept for subj facil has
been completed. Concurs in NRC findings & in NRC conclusion
that, upon implementation of mods listed in rept, fire protec
prog will be acceptable.
BEHN, J.D. Oage-Babcock Associates, Inc. 78/11/29. 1p. 94190-116.

G. Adjudicatory correspondence

7810160155 Requests by intervenors for production of documents by NRC
staff & applicants & enlargement of time to file
interrogs. Also submits interrogs to appl & requests that
attached documents be explained.
FLEISCHAKER, D., PHILLIPS, J. Center for Law in the Public Interest.
78/09/27. 19pp. 94005-143.

7810190257 Forwards various pleadings of intervenors (Scenic Shoreline
Preservation Conference, Ben Luis Obispo Mothers for Peace,
Ecology Action Club, S.A. Silver, & J.J. Forster) re oper lic.
FLEISCHAKER, D. Fleischaker, D. B. 78/09/28. 3pp. 94052-017

--7810190262 Intervenors (Scenic Shoreline Preservation Conference, etc.)
request for oral argument.
FLEISCHAKER, D. Fleischaker, D. B. PHILLIPS, J.P., KRISTOVICH, B.
Center for Law in the Public Interest. 78/09/28. 3pp. 94052-020.

--7810190267 Intervenors (Scenic Shoreline Preservation Conference, etc.)
request to reply to NRC & applicant response to intervenors
request for issuance of ASLS subpoenas.
FLEISCHAKER, D. Fleischaker, D. B. PHILLIPS, J.P., KRISTOVICH, B.
Center for Law in the Public Interest. 78/09/28. 2pp. 94052-023.

190269 Intervenor's (Scenic Shoreline Preservation Conference, etc) quest to reply to NRC & applicant response to intervenors' quest for issuance of ASLB subpoenas.
EISCHAKER, D. Fleischaker, D. B. PHILLIPS, J. P., KRISTOVICH, S. nter for Law in the Public Interest. 78/09/28 32pp.
082:025

0108 Notice of reconstitution of ASLB re DL proceeding.
Izman, A Rosenthal & W Johnson will serve on board.
D. M. S. Atomic Safety and Licensing Appeal Panel. 78/10/03. 1p.

0324 Suppl Memo in support of intervenor BLOM appeal from 780511
0905 Orders re qual of security experts. BLOM now seeks
ct certification & qual only of D Consey as security
nt for discovery purposes.
B. Y. I., VALENTINE, P. C. San Luis Obispo Mothers for Peace.
07/06. 22pp. 94389:275.

0126 Grants request by intervenor for extension to 781006 to
ond to POE motion to dismiss security contention. NRC
P is also granted extension to 781006 per their request.
RS E. S. Atomic Safety and Licensing Board Panel. 78/10/10.
94414:025.

0182 Denies request by Intervenor that Bd subpoena 13 persons as
esses in evidentiary hearing. Denied because Bd remains
nvinced that circumstances are exceptional & warrant
ting the request.
RB E. S. Atomic Safety and Licensing Board Panel. 78/10/10.
94392:254.

0008 Requests Bd stay issuance of any order on Applicants motion
lsmise security contention until Appeals Bd issues its
ng in response to Intervenor's motion for direct
ification. W/encl cert of svc.
NTINE, P. C. San Luis Obispo Mothers for Peace. 78/10/10. 4pp.
4:216.

0350 POE response to intervenor BLOM's Petition for direct
ification & BLOM's appeal from ASLB Order of 780903. POE
rts that certification is not appropriate. Supporting
mentation & Cert of Bvc encl.
ON, B., MORRISBEY, J. C., CRANE, P. A. Pacific Gas & Electric Co.
07/13. 35pp. 94253:279.

0294 Intervenor's Request to Subpoena Dr B Graham to testify re
stions that Applicant has failed to conduct thorough
stigations of Hosgr fault sys. Cert of Bvc encl.
SCHAKER, D. Fleischaker, D. B. PHILLIPS, J. P., KRISTOVICH, S.
litation Unknown. 78/10/16. 11pp. 94025:347.

0128 Advises Lic Bd of status of 6 independent experts subpoenaed
quest of Intervenor.
SCHAKER, D. Fleischaker, D. S. 78/10/16. 2pp. 94035:143.

0318 NRC Staff Answer to Appl Motion to Dismiss Security
ention. Staff suggests the Bd defer on a ruling while
rvenor San Luis Obispo Mothers for Peace awaits ruling
hair appeal re the security issue.
NBERG, M. R. Office of the Executive Legal Director. 78/10/16.
94389:268.

0082 Informs Bd that Staff will comply w/Intervenor's request
documents & interrogate to the Staff no later than 781025
to error in mails. There will be the same answering time
inally anticipated by parties.
TELLOTTE, J. Hearings Division. 78/10/17. 2pp. 94035:096.

0039 Replies of Subj Util to Intervenor's Interrog dtd 780927.
mes of Qual for Safety Hearings & Cert of Bvc encl.
E. P. A., NORTON, B., FURBUSH, M. M. Pacific Gas & Electric Co.
07/17. 95pp. 94290:008.

0314 Forwards subpoena for signature of E Bowers. One will be
ed upon Dr Stephen Graham; the other 2 copies are for
reference.
SCHAKER, D. Fleischaker, D. B. 78/10/23. 1p. 94087:042.

0058 Notice of addition of E J Sullivan to list of staff
eeses provided in Sept 1978 Davis ltr re radiological
th & safety hearings.
TELLOTTE, J. Office of the Executive Legal Director. 78/10/25.
94423:325.

0199 "NRC Staff Response to Intervenor's San Luis Obispo Mothers
Peace Petition for Directed Cert & Appeal from Licensing
rder of 780908." Urges Intervenor's petition be denied.
of Bvc encl.
NBERG, M. R. Office of the Executive Legal Director. 78/10/26.
. 03553:342.

781080185 Memorandum & Order granting the petition for directed
certification vacating Bd's 780903 order & remanding the
cause for immediate further consideration consistent w/this
opinion in the oper licensing proc.
DUFLD, M. E. Atomic Safety and Licensing Appeal Panel. 78/10/27.
12pp. 94403:113.

781100014 No objection to Intervenor's request of 781016 to subpoena
Dr Graham for the upcoming evidentiary hearing
TOURTELLOTE, J. Office of the Executive Legal Director. 78/10/27.
1p. 94176:351.

7811080029 Forwards "Staff Comments on Generic Matter of Cross-
Examination of ACRB Consultants in NRC Licensing
Proceedings". W/encl Cert of Bvc.
TREBY, S. A. Office of the Executive Legal Director. 78/10/30. 10pp.
94398:067.

7811280498 Notice that POE will take depositions of F Silver, J Bruno &
R Hubbard. Also encl is response of POE to intervenor's
request of 780927 for production of documents. Documents
sought are now available for Inspec. Cert of Bvc encl
CRANE, P. A. Pacific Gas & Electric Co. 78/10/30. 4pp. 94414:269

7811070358 Urges ACRB permit cross-examination of consultants. Cross-
examination is essential to accurate interpretation of
opinion & determination of factual bases of assumption.
VALENTINE, P. C. Valentine, P. C. 78/10/31. 1p. 94043:196

7811170007 "Reconsideration of Bd's Order of 780905." Petition of San
Luis Obispo Mothers for Peace to establish David Consey as an
expert witness is denied.
BOWERS, E. S. Atomic Safety and Licensing Board Panel. 78/11/03.
37pp. 94116:104.

7812000042 Evidentiary hearing on 781204 will be held in Avila Beach,
CA. First 2 days of hearing will be set aside for limited
appearance statements of no longer than 5 minutes each.
Written statements of any length may be submitted.
BOWERS, E. S. Atomic Safety and Licensing Board Panel. 78/11/07.
2pp. 94215:324.

7812010198 Attorney RK Hosfling enters appearance in captioned matter.
Cert of Bvc encl.
HOSFLING, R. M. Office of the Executive Legal Director. 78/11/09.
3pp. 94409:205.

7812010048 Expresses view on gen policy question of subpoenaing ACRB
consultants to require their attendance at evidentiary
hearings before ASLB. Exceptional circumstances standard
should not be limited to direct knowledge witnesses.
FLEISCHAKER, D. Center for Law in the Public Interest. 78/11/14.
3pp. 94416:133.

7812040321 Testimony of N Newmark re earthquake resistance design
criteria utilized in constr of subj facility. "Rationale for
Development of Design Spectra for Diablo Canyon Reactor
Facil" & Cert of Bvc encl.
NEUMARK, M. M. N. M. Newmark Consulting Engineering Services.
78/11/15. 75pp. 94122:001.

--7812040324 Testimony of CJ Stapp re subj facil seismic concerns
addressed during constr permit & Oper Lic review.
STEPP, J. C. Geosciences Branch. 78/11/15. 41pp. 94122:076.

--7812040327 "Diablo Canyon Testimony of J Knox & F Rosa re Seismic Qu
of Class 1E Equip." discussion of seismic qual eval with
criteria in Safety Eval Rept 3.10 & suppl.
ROSA, F. Power Systems Branch. 78/11/15. 12pp. 94122:117.

--7812040330 "Testimony of RB Hofmann" re conservative value for ground
acceleration from a 7.50 earthquake on the Hosgr fault.
HOFMANN, R. B. Office of Standards Development, Director. 78/11/15.
22pp. 94122:129.

--78120403
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struct
KNIGHT
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7812130006 Reque...
TURNER, A. J. App.

781210219 Asks whether seismic hearings will begin 781204 Believes
Facil should not be allowed to oper for love of humanity in
general.
ROSENBERG, H. Affiliation Unknown. 78/11/17. 1p. 94337:353

7812180324 Forwards testimony on behalf of Intervenor re Contention 1.
Geology & sets forth conclusions re through-going continuity
of the San Gregario-Hosgri fault zone Resume, Study results &
Cert of Bvc encl.
GRAHAM, B. A. Affiliation Unknown. 78/11/17. 19pp. 94336:249.

7812180309 Petition for directed certification for review of
"Reconsideration of Bd's Order of 780905" relating to qual
of security expert Forwards Cert of Bvc.
VALENTINE, P. C. San Luis Obispo Mothers for Peace. 78/11/20. 40pp.
94336:190.

7812040179 Applicant DOE has until 781205 & NRC Staff until 781211 to
respond to intervenor's Petition. For directed certification
to review ASLB's rejection of DD Consey as an expert witness
on security matters.
DUFLO, M. E. Atomic Safety and Licensing Appeal Panel. 78/11/21.
2pp. 94457:073

7812040191 Memorandum ack receipt of intervenor's Petition for Directed
Certification. Applicant's response is due 781205. Staff's
781211. Bd will not favor requests to extend time.
DUFLO, M. E. Atomic Safety and Licensing Appeal Panel. 78/11/21.
2pp. 94382:122.

7812130146 Forwards list of publications & rev qualifications sheet
omitted from 780927 Staff's response to intervenor's
interrog.
KETCHEN, E. Q. Office of the Executive Legal Director. 78/11/21.
22pp. 94289:064.

7812080004 Order granting permission to make opening statements prior
to limited appearances. Each statement limited to 20 minutes.
No change will be made from stated location.
BOWERS, E. B. Atomic Safety and Licensing Board Panel. 78/11/27.
2pp. 94103:314.

7812080024 Requests to make appearance statement at 781204 hearing in
San Luis Obispo County, CA.
RICE, L. Affiliation Unknown. 78/11/27. 1p. 94104:002.

7812140346 Forwards list of publications of JF Devine & resume of FA
McKeown.
KETCHEN, E. Q. Office of the Executive Legal Director. 78/11/27.
10pp. 03557:175

7812140085 Suppl reply of PQE to intervenors' interogs of 780927.
Forwards names & quals of 4 addl witnesses PQE intends to
call in the licensing hearing re subj Facils. Cert of Bvc
encl.
CRANE, P. A., NORTON, B., MORRISSEY, J. C. Pacific Gas & Electric Co.
78/11/28. 10pp. 94128:231.

7812140344 Gives notice that E Ketchen enters an appearance on behalf
of NRC in proc re subj Facils. Cert of Bvc encl.
KETCHEN, E. Q. Office of the Executive Legal Director. 78/11/28. 3pp.
03557:168.

7812140373 Confirms 781122 conversation re status of 2 USOB witnesses
appearing for NRC. Both witnesses wrote USOB rept which is
append C to Suppl 4 of SER & will be at hearing to answer
questions.
TOURTELLOITE, J. Hearings Division. 78/11/29. 1p. 03558:118.

7812180027 Forwards memo to subpoena to ACRB consultants entitled
"Interpretive Comm Statement on Amenability to Subpoena of
Consultants to ACRB under 10CFR2.720."
BOWERS, E. B. Atomic Safety and Licensing Board Panel. 78/11/30.
4pp. 94130:340.

--7812180037 Forwards "Interpretive Comm Statement on Amenability to
Subpoena of Consultants to ACRB under 10CFR2.720," which now
represents the Comm's views & which will be presented for
formal vote at next Comm Affirmative Session.
KELLEY, J. L. Office of the Executive Legal Director. 78/11/29.
1p. 94130:341.

7812180416 NRC Staff's Response to Petition submitted by intervenor San
Luis Obispo Mothers for Peace seeking review & reversal of
ASLB's upholding of denial of D Consey's quals. NRC urges that
intervenor's petition be denied. Cert of Bvc encl.
STADENBERG, H. R. Office of the Executive Legal Director. 78/12/01.
3pp. 94356:358.

7812210321 "Suppl Reply of Jt Intervenor to Applicant's 780927."
780927." Cert of Bvc encl.
HUBBARD, R. B. MHB Technical Associates. 78/12/01. 4pp.

7812270025 Urges approval of plant oper as soon as possible;
elec pur is vitally needed.
RUSSELL, H. K. Affiliation Unknown. 78/12/05. 1p. 94159:

7812140273 Forwards Amend#1 to Constr Permit#CPPR-39 & Amend
Constr Permit#CPPR-69 w/related correspondence.
QDLBERG, J. R. Office of the Executive Legal Director. 78
1p. 03557:289.

--7812140275 Forwards Amend#1 to constr permit#CPPR-39 & Amend
constr permit#CPPR-69 & Fed Register Notice.
BOYD, R. B. Division of Project Management. 78/12/06. 4
03557:290

--7812140278 Amend#1 to Constr Permit#CPPR-39, adding antitru
to Paragraph 2. D.
BOYD, R. B. Division of Project Management. 78/12/06. 1
03557:294.

--7812140279 Amend#4 to Constr Permit#CPPR-69, adding antitru
to Paragraph 2. D.
BOYD, R. B. Division of Project Management. 78/12/06. 1
03557:304.

--7812140283 Notice of resumption of Amend#1 to Constr Permit#
Amend#4 to Permit#CPPR-69. W/encl Eval of Amend by LWR#1.
STDLZ, J. F. Light Water Reactors Branch I. 78/12/06. 8
03557:314

H. General correspondence

7811180150 Expresses concern dyer role of nuc energy in US &
suggests more res be directed towards solar energy.
Deploras Liquid Metal Breeder Reactor & the idea of siting
plant on the James River near her home.
NELSON, E. B. Affiliation Unknown. 78/10/21. 3pp. 94272:

781210312 Ack receipt of 780918 ltr & environ impact statem
date & location of public hearing on subj facil & submits
questions of concern re subj Facils.
MURPHY, E. Affiliation Unknown. 78/10/30. 1p. 94488:090

7812180289 Forwards for Dept of Energy Response, a memo re an
O Burns into who inspects the structural steel of the subj
facil.
LAOCHARBINO, R. J. House of Rep. 78/11/22. 2pp. 94365:142

7812110040 Responds to 781030 ltr re seismic design; construye
w/regard to elec load projections & notice of hearing.
BALLARD, R. L. Environmental Projects Branch I. 78/11/30.
94408:169.

7812270059 Strongly recommends putting subj Facils into oper
possible, since the energy is necessary.
GEORGE, J. Affiliation Unknown. 78/12/07. 1p. 94160:291

7812290171 Endorses approval of subj Facils for oper, due to 1
pwr in CA.
BOYD, F. O. California, State of. 78/12/19. 0pp. 94190:3

7811210413 Believes nuc pwr cannot be made safe & that const
facil should be stopped.
STAHL, R. F. Affiliation Unknown. 78/11/13. 1p. 94483:12

K. Utility Final Safety Analysis Report (FSAR) & amends

7811140126 Forwards copy of Amends 70 & 71 to oper lic appl
facils. Amends incl addl matl for Hosgri eval & FSAR. Cert
of Bvc encl.
CRANE, P. A. Pacific Gas & Electric Co. 78/11/09. 2pp.

--7811140145 Amends 70 & 71 to Oper Lic appl for subj Facils
addl matl for Hosgri Eval & FSAR.
SHACKLEFORD, B. Pacific Gas & Electric Co. 78/11/09. 4

D. Advisory Committee on Reactor Safeguards reports & corres

7812130050 Comments transmitted in 780922 ltr from ACRB cons
Luco re seismic eval bases were discussed at 781102-04 ACR
meeting. These comments were considered in the findings &
recommendations in ACRB rept of 780714.
LAHROSKI, B. ACRB - Advisory Committee on Reactor Safeguar
78/11/07. 1p. 94210:253.

10384 Forwards comments by Dr Lucco re seismic design basis for
subj Facil.
INLEY, J. C. ACRS - Advisory Committee on Reactor Safeguards
10/13. 1p 94388:167.

10388 Comments on 780614 & 780707 acrs meetings re use of
effective peak acceleration & underestimation of subj Facil
response to offshore fault resulting from use of large
load for tau-effect & small torsion excitation.
OJ.E. California, Univ. of. San Diego. 78/09/22. 5pp
188:168.

Section reports, IE Bulletins & correspondence

1316 Forwards IE Circular#78-17. (See AND: 7810230221, Docket
3: 781013)
KEN, R. H. Region 5, San Francisco, Office of the Director
1/13 1p. 94166:347.

263 Forwards IE Inspec Repts#50-275/78-14 & #50-323/78-14 on
1-30 during which no items of noncompliance were noted.
J.L. Region 5, San Francisco, Reactor Operations Nuclear
re Branch. 78/10/17. 2pp. 94273:355

20267 IE Inspec Repts#50-275/78-14 & #50-323/78-14 on 780901-30
ing which no items of noncompliance were noted. Major
as inspected included: preoper testing, fuel storage,
loadup on licensee event & IE Bulletin-Circular testing.
RNBORG, D.M. Region 5, San Francisco, Reactor Operations Nuclear
port Branch. YOUNG, T., STERNBERG, D.H. Region 2, Atlanta,
ctor Operations Nuclear Support Branch. 78/10/16. 5pp.
73:357

111 Responds to 781006 NRC ltr re violation noted in inspec.
ctive actions: circuitry is being placed in conformance
R paragraph 3.3, & implementing instruc will be issued
1115.
P.A. Pacific Gas & Electric Co. 78/11/02. 2pp. 94043:348

007 Forwards IE Circular 78-18.
KEN, R. H. Region 5, San Francisco, Office of the Director
/06. 1p. 94112:301.

301 Forwards IE Inspec Repts#50-275/78-17 & 50-323/78-16 on
1-31 during which no items of noncompliance were noted.
J.L. Region 5, San Francisco, Reactor Operations Nuclear
re Branch. 78/11/16. 2pp. 94209:190.

90004 IE Inspec Repts#50-275/78-17 & 50-323/78-16 on 781001-31
ing which no items of noncompliance were noted. Major
as inspected incl: preoper testing, fire protec, plant tour,
3am repts, IE bulletin followup & design changes.
YOUNG, T., STERNBERG, D.H. Region 5, San Francisco, Reactor
ations Nuclear Support Branch. 78/11/15. 4pp. 94209:192.

901 Forwards IE Inspec Rept#50-275/78-16 on 781030-31 & 1101
1 which no items of noncompliance were noted.
J.L. Region 5, San Francisco, Reactor Operations Nuclear
re Branch. 78/11/17. 2pp. 94306:328.

10314 IE Inspec Repts#50-275/78-16 on 781030-31 & 1101 during which
tems of noncompliance were noted. Major areas inspected:
Containment Integrated Leak Test.
KEMBERRY, B. Region 5, San Francisco, Office of the Director.
ER, H. L., MILLER, L. P. Region 5, San Francisco, Reactor
ations Nuclear Support Branch. 78/11/15. 3pp. 94308:330.

98 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
AND: 781300095
EN, R. H. Region 5, San Francisco, Office of the Director.
24. 1p.

33 Forwards IE Bulletin 78-14.
EN, R. H. Region 5, San Francisco, Office of the Director.
19. 1p. 06911:001.

table occurrences, LERs & related correspondence

86 Forwards addl info re RD: defect in Unit 2 NEMA size#2 motor
11ers. Unit 1 inspec complete, inspec & replacement of
ut springs for Unit 2 will be completed prior to
onal test.
NOTON, J. D. Pacific Gas & Electric Co. 78/12/07. 1p.
294.

7812070227 Testimony of P&E testimony on 781204 Testimony of RV
Bettinger, DH Hamilton, RH Johns & SM Smith encl.
* Atomic Safety and Licensing Board Panel. 78/11/20. 239pp.
94188:016.

--7812070237 Testimony of P&E on 781204.
* Atomic Safety and Licensing Board Panel. 78/11/20. 200pp
94188:278.

--7812070242 Testimony of P&E on 781204.
* Atomic Safety and Licensing Board Panel. 78/11/20. 107pp.
94189:162.

7812130056 Transcripts of 781204 hearings re subj Facils. Pp 375B-3997.
BOWERS, E., MARTIN, W. E., BRIGHT, G. O. Atomic Safety and Licensing
Board Panel. 78/12/04. 239pp. 94211:030.

7812130064 Transcript of 781205 hearing re subj Facil. Limited
Appearances Statements. In Avila Beach, CA. Pp 339B-4249.
BOWERS, E., MARTIN, W. E., BRIGHT, G. O. Atomic Safety and Licensing
Board Panel. 78/12/05. 251pp. 94296:012

7812200344 Transcript of hearing in Avila Beach, CA on 781207.
Appearances on behalf of applicant B Norton, MH Furbush, P Crane,
on behalf of joint intervenors: DB Fleischaker, B
Kristovitch & for NRC: E Ketchen Pp 4486-4679.
BOWERS, E., MARTIN, W. E., BRIGHT, G. O. Atomic Safety and Licensing
Board Panel. 78/12/07. 193pp. 94124:188.

7812200338 Transcript of hearing in Avila Beach, CA on 781208 Appearance
on behalf of Pacific Gas & Elec: B Norton, MH Furbush, P Crane,
on behalf of joint intervenors: DB Fleischaker, B Kristovitch
& for NRC: M Staenberg Pp 4679-4862
BOWERS, E., MARTIN, W. E., BRIGHT, G. O. Atomic Safety and Licensing
Board Panel. 78/12/08. 183pp. 94124:003.

7812270346 Transcript of hearing re subj facil at Avila Beach, CA on
781213 Pp 5309-5806
BOWERS, E. Atomic Safety and Licensing Board Panel. 78/12/13.
197pp. 94229:024.

7812220014 Transcript of 781214 hearing in Avila Beach, CA re subj
facil. Pp 5507-5706
BOWERS, E., MARTIN, W. E., BRIGHT, G. O. Atomic Safety and Licensing
Board Panel. 78/12/14. 199pp. 94248:024.

7812290002 Transcript of a 781218 hearing in Avila Beach CA re subj
facil. Pp 6102-6359.
BOWERS, E., MARTIN, W. E., BRIGHT, G. O. Atomic Safety and Licensing
Board Panel. 78/12/18. 257pp. 94208:050

7812290279 Transcript of a morning 781214 hearing at Avila Beach, CA re
subj facil. Pp 6360-6471.
BOWERS, E., MARTIN, W. E., BRIGHT, G. O. Atomic Safety and Licensing
Board Panel. 78/12/19. 111pp. 94192:001.

7812290280 Transcript of 781229 hearing on 781220 at Avila Beach, CA.
Pp 6472-6688.
BOWERS, E., MARTIN, W. E., BRIGHT, G. O. Atomic Safety and Licensing
Board Panel. 78/12/20. 216pp. 94193:001.

7812290282 Transcript of 781221 hearing in Avila Beach, CA re subj
facil. Pp 6689-6862.
BOWERS, E., MARTIN, W. E., BRIGHT, G. O. Atomic Safety and Licensing
Board Panel. 78/12/21. 173pp. 94194:001.

7812290283 Transcript of a morning 781222 hearing in Avila Beach CA re
subj facil. Pp 6863-6949.
BOWERS, E., MARTIN, W. E., BRIGHT, G. O. Atomic Safety and Licensing
Board Panel. 78/12/22. 84pp. 94195:001.

U. Congressional/Executive Correspondence

7811080032 Responds to encl 780831 & 780925 congressional
correspondence w/DOE requesting info to answer constituent's
charges re nuc waste storage & location of subj facil near
geologic fault.
DIRCKS, W. J. Office of the Executive Director for Operations.
78/10/30. 10pp. 94398:089.

Q. Inspection reports, IE Bulletins & correspondence

7812010175 Forwards IE Insper Repts#50-160/78-04, #50-276/78-02, #70-297/78-04 & #70-386/78-04 on 780926-27 during which no items of noncompliance were noted.
KENNA, W.B. Region 2, Atlanta, Safeguards Branch. 78/10/20. 2pp. 94409:221.

--7812010182 IE Insper Repts#50-160/78-04, #50-276/78-02, #50-297/78-04 & #70-386/78-04 on 780926-27 during which no items of noncompliance were noted. Major areas inspec incl: nuc matl control & accounting procedures review.
TODD, G.A., WILLIAMS, G.H. Region 2, Atlanta, Safeguards Branch. 78/10/20. 3pp. 94409:222.

7812210281 Forwards IE Insper Rept#50-276/78-03 on 781121 during which no items of noncompliance were noted.
KENNA, W.B. Region 2, Atlanta, Safeguards Branch. 78/12/13. 2pp. 94167:298.

--7812210287 IE Insper Rept#50-276/78-03 on 781121 during which no items of noncompliance were noted. Areas inspected: physical security protec prog. Details of inspec w/hold pursuant to 2.790.
MOORE, D.E., GILLESPIE, F.P. Region 2, Atlanta, Safeguards Branch. 78/12/13. 1p. 94167:300.

DOCKET 50-277 PEACH BOTTOM ATOMIC POWER STATION, UNIT 2

F. Security, medical, emergency & fire protection plans

7811290078 Forwards request for addl info re fire protec at subj facil. Several NRC staff positions are encl re concern on this subj.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790623). 78/11/17. 46pp. 94192:209.

7812260192 Responds to 781117 request for addl info re Fire Protec Prog. Remainder of questions will be addressed w/in 90 days. Subj covered incl: cables above control room ceiling, enclosed rooms w/in control room complex & seal qual prog.
DALTROFF, B.L. Philadelphia Electric Co. 78/12/20. 33pp. 94159:163.

Q. Adjudicatory correspondence

7812130217 Memo & order re ALAB-509. Any party who disagrees w/ABLAB approach re radon emissions should file brief within 45 days.
DUFLD, M.E. Atomic Safety and Licensing Appeal Panel. 78/12/01. 11pp. 94306:087.

P. Operating license stage documents & correspondence

7810300169 Forwards analysis of Gen Elec turbine trip transient tests performed during Apr 1977.
ROBERTZ, Z.R. Analysis Branch. 77/11/02. 1p. 94034:114.

--7810300174 "Safety Eval Rept on OE Transient Analysis Method in View of Peach Bottom Tests". Repts validity of OE transient analysis methods & verifies plant transient behavior. Four possible interim positions are presented.
ROBERTZ, Z.R. Analysis Branch. 77/04/11. 16pp. 94034:115.

7812050004 Forwards Licensee Performance Eval Questions for subj facili in response to 771123 request. Feels it is possible that dev of statistical methodology for such eval may not justify the effort. Qualitative eval may be as good. Urges 1-year test.
GRIBER, B.H. Region 1, Philadelphia, Office of the Director. 77/12/13. 12pp.

7812130198 Ack receipt of 760604, 70930, 761130, & 761203 submittals. Forwards request for addl info to be provided w/in 34 days for cost-benefit analysis.
LEAR, G. Operating Reactors Branch 3 (Pre 790623). 77/02/16. 3pp. 94306:054.

7810230035 Notice of Issuance of Amends #44 & #44 to Facil Oper Lic# DPR-44 & DPR-56. Amends delete Environ Tech Specs Sections 6.1.b, 6.1.c & 6.1.d, re special study prog related to impingement, entrainment & thermal tolerance of organisms.
LEAR, G. Operating Reactors Branch 3 (Pre 790623). 78/07/26. 2pp. 94036:319.

Issued Amends#45 & #46 to Facil Oper Lic# DPR-44 & DPR-56. Amends rev Tech Specs to mod reactor coolant Sys thermal & pressurization limitations.

IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790623). 78/08/04. 2pp. 94392:234.

7811010390 Forwards Amends#46 & #46 to Facil Oper Lic# DPR-44 & DPR-56 rev Tech Specs as requested in 780711 ltr w/Safety Evaluation & Notice of Issuance.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790623). 78/10/03. 2pp. 94388:281.

--7811010393 Amend#46 to Facil Oper Lic# DPR-44 rev Tech Specs re surveillance of suppression pool temp logging, controlled bypass heatup line on HPCI steam supply & identification of valves to reflect plant unique designation.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790623). 78/10/03. 9pp. 94388:283.

--7811010400 Amend#46 to Facil Oper Lic# DPR-56 rev Tech Specs re surveillance of suppression pool temp logging, controlled bypass heatup line on HPCI steam supply & identification of valves to reflect plant unique designation.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790623). 78/10/03. 9pp.

--7811010403 Safety Eval Rept supporting Amends#46 & #46 to Facil Oper Lic# DPR-44 & DPR-56 concluding that proposed mods & assoc Tech Spec changes have no safety or environ significance & are therefore acceptable.
* Operating Reactors Branch 3 (Pre 790623). 78/10/03. 3pp. 94388:301.

--7810130232 Notice of Issuance of Amend#46 & #46 to Facil Oper Lic# DPR-44 & DPR-56 on 781003.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790623). 78/10/03. 2pp. 94081:340.

7810110105 Responds to 780807 ltr requesting evaluation of subj facil Protec Sys pur supply to determine whether there is potential for undetected single failures to adversely affect Reactor Protec Sys.
DALTROFF, B.L. Philadelphia Electric Co. 78/10/05. 2pp. 94066:351.

7810230011 Forwards Amend#47 to Lic# DPR-44 & #47 to Lic# DPR-56 for subj facil, changing Tech Spec in response to 780926 & 780905 ltrs.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790623). 78/10/10. 2pp. 94169:208.

--7810230016 Amend#47 to Facil Oper Lic# DPR-44, changing Tech Spec re instrumentation that initiates or controls core & containment cooling sys admin controls & safety-related snubbers.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790623). 78/10/10. 21pp. 94169:210.

--7810230019 Amend#47 to Facil Oper Lic# DPR-56, changing Tech Spec re fire protec & admin controls.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790623). 78/10/10. 24pp. 94169:231.

--7810230024 Safety Evaluation Supporting Amend#47 to Facil Lic# DPR-44 & Amend #47 to Lic# DPR-56. Concludes that amend will not decrease safety margin.
* Operating Reactors Branch 3 (Pre 790623). 78/10/10. 8pp. 94169:255.

--7810230028 Notice of Issuance of Amend#47 to Facil Oper Lic# DPR-44 & Amend #47 to DPR # 56, rev Tech Spec re containment cooling sys controls, admin controls & snubbers.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790623). 78/10/10. 2pp. 94169:263.

7811060124 Forwards Amend#48 to Facil Oper Lic# DPR-44 revising Tech Specs as requested in 781004 ltr w/Safety Evaluation & Notice of Issuance.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790623). 78/10/16. 2pp. 94424:146.

--7811060125 Amend#48 to Facil Oper Lic# DPR-44 revising Tech Spec re oper of subj facil w/new type reload fuel (BxBR) for cycle 4.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790623). 78/10/16. 36pp. 94424:148.

--7811060128 Safety evaluation supporting Amend #48 to Facil Oper Lic# DPR-44 concluding that design of BxBR fuel, thermal-hydraulic stability of subj facil & proposed oper limit are acceptable & safety of pub will not be endangered.
* Office of Nuclear Reactor Regulation, Director. 78/10/16. 10pp. 94424:184.

760130 Notice of Issuance of Amend#48 to Facil Oper Lic#DPR-44 on 10/16.
 IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/10/16.
 1p. 94424:194.

1272 Provides results of test on facility at end of cycle 2
 tions using proposed licensing basis ODYN Model.
 K. W. General Electric Co. 78/10/17. 20pp. 94203:174.

10274 Transmits calculational results & data related to staff's
 view of ODYN transient model. Info incl calculations
 formed to quantify effects of stuck rod on scram
 civity & series of figures as delta K versus % voids.
 K. W. General Electric Co. 78/10/17. 27pp. 94203:195.

10277 Forwards results of studies carried out in effort to
 determine reason behind apparent discrepancy between BNL &
 void reactivity feedback models.
 K. W. General Electric Co. 78/10/17. 7pp. 94203:222.

108 Response to 780927 NRC ltr re benchmarking Enc's PTBWR/2
 against present data & verifying transient & stability
 . Data to be supplied in Oct 1979 will satisfy requests
 tain GE proprietary info must be provided.
 Y. G. F. Exxon Nuclear Co., Inc. (subs. of Exxon Corp.).
 7/19. 2pp. 94059:300.

186 Forwards "Postoperational Rept#10 on the Ecology of
 Conowingo Pond for the Period of 7801-7806".
 E. W. B. Philadelphia Electric Co. 78/10/24. 1p. 94034:073.

70188 "Postoperational Rept#10 on the Ecology of Conowingo Pond
 Period Jan-June 1978".
 Philadelphia Electric Co. 78/10/31. 161pp. 94034:074.

335 Summary of 780914 meeting w/QE representatives & Mark I
 a Group re progress of Long Term Prog w/attendance
 & agenda(RD-9-A-MarkIStandards.)
 S. C. Plant Systems Branch (Pre 791030). 78/10/26. 67pp.

288 Responds to 781106 request for info concerning licensee reg
 rance eval for Region 1 plants by NRC. Provides
 1a.
 B. H. Region 1, Philadelphia, Office of the Director.
 7/09. 9pp. 94239:230.

130 Notice of workshops re implementation of training & qual
 rements contained in Appendix B of 10CFR73. Requests
 workshop registration of attendees to facilitate sending
 a 61.1/enc1 Registration Form & List of Locations.
 J. J. R. Assistant Director for Site & Safeguards (Pre 791030).
 7/15. 5pp.

268 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for
 (NUREG-0473) & "Preparation of Radiological Effluent
 Specs for Nuc Pur Plants" (NUREG-0133).
 J. B. K. Assistant Director for Engineers & Projects (Pre
 5). 78/11/15. 6pp. 94364:324.

266 Responds to 781116 telecon. Forwards copies of ANS meeting
 which demonstrate attention to ALARA per RQB.B.
 J. C. Ebasco Services, Inc. (subs. of Enserch Corp.).
 7/17. 1p.

0070 "Experience in Decontamination & Repair of Radwaste
 Generator at Millstone Unit#1." Describes procedures.
 A. J. Northeast Nuclear Energy Co. (subs. of Northeast
 States). 78/11/17. 19pp.

0074 "Peach Bottom 2 & 3 Regenerative Heat Exchangers Chem
 mination & Seal Ring Repairs." Describes work performed
 777 & 1978.
 IER, M. H. Philadelphia Electric Co. 78/06/06. 22pp.

0077 "Peach Bottom 2 & 3 Regenerative Heat Exchangers Chem
 mination & Solidification." Describes work performed
 777.
 Y. G. E. Dow Chemical Co. 78/02/16. 38pp.

185 Informs PECO that NRC has contracted w/Mountain West Res Inc
 dertake a series of post-licensing studies of nuc pur
 ns. Studies will analyze socioeconomic impacts which
 ed during constr & post-constr periods of each plant.
 O. R. C. Division of Site Safety & Environmental Analysis.

7812070205 Notice of seminar on 781208 on new Model Radiological
 Effluent Tech Specs for nuc pur plants. Requests advance
 submission of seminar specific questions. W/enc1 Seminar Info
 Sheet, Proposed Agenda & maps
 GRIER, B. H. Region 1, Philadelphia, Office of the Director.
 78/11/21. 8pp. 94375:152

7812110052 Discusses possible dangers of LOCA in containment purging
 during normal plant oper. Requests either commitment to limit
 purging or justification for continuing. W/enc1 AND:
 #7812080207.
 IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/29.
 8pp. 94408:227.

7812180104 Forwards Amends#49 & #48 to Licensee DPR-44 & DPR-55,
 respectively, Tech Specs by increasing total storage capacity
 of spent fuel pools from 2220 to 3632 fuel assemblies.
 Forwards BER, EIA & notice of issuance
 IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/30.
 2pp. 94130:253.

--7812180105 Amends#49 & #48 to Lic DPR-44 & DPR-55, respectively,
 expansion of spent fuel pool storage capacity & related Tech
 Specs. Forwards supporting GER & EIA.
 GRIMES, B. K. Assistant Director for Engineers & Projects (Pre
 790625). 78/11/30. 12pp. 94130:255.

--7812180107 Safety Eval supporting Amends#49 & 48 to Lic DPR-44 &
 DPR-55, respectively.
 Assistant Director for Engineers & Projects (Pre 790625).
 78/11/30. 11pp. 94130:267.

--7812180112 Notice of Issuance of Amends#49 & #48 to Facility Operating
 Lic #DPR-44 & DPR-55, respectively, & Negative Declaration.
 IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/30.
 3pp. 94130:300.

--7812180108 EIA supporting Amends#49 & #48 to Lic #DPR-44 & DPR-55,
 respectively.
 Assistant Director for Engineers & Projects (Pre 790625).
 78/11/30. 22pp. 94130:278

7812140176 Forwards Oct 1978 Prog Activity Review listing meetings held
 & providing task-by-task activity summary for the month.
 BOBEN, L. J. General Electric Co. 78/12/04. 11pp.

7812280035 Emphasizes importance of submitting accurate & complete info
 to NRC by licensees & applicants. Info submitted must be
 substantiated by data & calculations. Licensees must notify
 NRC of any inaccuracies or enforcement action will result.
 DAVIS, J. G. Office of Inspection & Enforcement, Office of the
 Director. 78/12/06. 2pp. 94130:214.

7812050013 Requests views of Regional Directors on Licensee performance
 eval of subj facili. Forwards questions to be answered by
 771209.
 THORNBURG, H. Division of Reactor Construction Inspection. 77/11/23
 2pp.

781210367 Forwards add info re multiple consecutive safety/relief
 valve actuation of Mark I containment program
 BOBEN, L. J. General Electric Co. 78/11/13. 3pp.

G. Inspection reports, IE Bulletins & correspondence

7811090053 Forwards IE Inspec Rept#50-277/78-23 & #50-278/78-28 on
 780823 during which no items of noncompliance were noted.
 BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear
 Support Branch. 78/09/21. 2pp. 94040:099.

--7811090058 IE Inspec Rept#50-277/78-23 & #50-278/78-28 on 780823 during
 which no items of noncompliance were noted. Major areas
 inspected included: review of Licensee's response to IE
 Circular 78-B dtd 780531.
 GREENMAN, E. O., MCCABE, E. C. Region 1, Philadelphia, Reactor
 Operations Nuclear Support Branch. 78/09/18. 6pp. 94040:101.

7810160238 Forwards IE Bulletin#78-12: "Atypical Weld Material in
 Reactor Pressure Vessel Welds" requesting action w/in 60
 days & list of IE Bulletins issued in 1978.
 (see AND#7810040253)
 GRIER, B. H. Region 1, Philadelphia, Office of the Director.
 78/09/29. 6pp. 94006:353.

7811010008 Act as a part of 781002 ltr informing NRC of steps taken to

IN: 4381;300.
 --7811010095 Notice of Violation from Inspec on 780814-16.
 * Region 1, Philadelphia, Office of the Director. 78/09/14. 1p.
 94381:302

--7811010099 IE Inspec Repts#50-277/78-21 & 50-278/78-26 on 780914-16 during which 1 item of noncompliance was noted: Amount of radioactive decay of Pu-241 during periods ending 770331, 770930 & 780331 not reported on Form-742-Paragraph 7. BISHBETT, P.H. Region 1, Philadelphia, Office of the Director. BHAUER, E. I., JOYNER, J. M. Region 1, Philadelphia, Safeguards Branch. 78/09/14. 10pp. 94381:303.

7810200094 Second Inspec prog was conducted during recent subj facil refueling outage. All 25 channels were classified acceptable for reuse in any reactor core location during subsequent oper cycles.
 COONEY, M. J. Philadelphia Electric Co. 78/10/13. 1p. 94401:220.

7811040203 Forwards IE Circular#78-17. (See AND: 7810230221, Docket #50-133, 781013.)
 ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/10/13. 1p. 94489:205.

7812010345 Forwards license performance evaluation for Region 1. No operating reactor in Region 1 considered to have either abnormal or unusual safety concern.
 ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/01. App. 00002:239.

7811290160 Forwards IE Circular #78-18, "UL Fire Test." W/encl AND: 7811300002
 ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/06. 1p. 94238:032.

7812010008 Ack receipt of 781103 ltr informing NRC of steps taken to correct violations noted during Inspec#50-277/78-26.
 BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/15. 1p. 94409:114.

--7812010012 Responds to 781020 NRC ltr re violations noted in Inspec Repts#50-277/78-26. Corrective actions: procedure req constant monitoring of fuel element is being rev to allow opar to observe all aspects.
 DALTROFF, B. L. Philadelphia Electric Co. 78/11/03. 3pp. 94409:115.

--7812010016 Forwards IE Inspec Repts#50-277/78-26 on 780919-22 & Notice of Violation.
 BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/20. 2pp. 94409:118.

--7812010025 Notice of Violation from Inspec on 780919-22.
 * Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/20. 1p. 94409:120.

--7812010031 IE Inspec Repts#50-277/78-26 on 780919-22 during which 2 items of noncompliance were noted: Failure to complete procedure prerequisites prior to performing procedure & failure to observe fuel bundle during movement.
 KALMAN, Q., GREENMAN, E., CARPHTON, D. L. Region 1, Philadelphia, Office of the Director. 78/10/02. 7pp. 94409:121.

7811300217 Forwards rev Inspec Inspec Prog in response to 780910 NRC ltr. Table 5.4-1 of ISI prog has been rev to require leak rate testing of valves needed to perform pressure isolation function. List of alternate valves is in Att A.
 DALTROFF, B. L. Philadelphia Electric Co. 78/11/22. 3pp. 94070:001.

--7811300220 Inspec Inspec Prog for subj facil. Rev prog is IAW 1974 ed of Section XI of ASME Code & upgrades prog for subj facil. New prog establishes rev requirements for Class 1, 2 & 3 components of boiling water reactors.
 * Philadelphia Electric Co. 78/11/30. 45pp. 94070:004.

7812180221 Responds to 780929 NRC ltr forwarding IE Bulletin 78-12 & requests addl info re reactor vessel weld matl & reactor vessel fabrication. Gen Elec Co is providing this info which will be forwarded to NRC at a later date.
 DALTROFF, B. L. Philadelphia Electric Co. 78/11/22. 2pp. 94358:335.

--7810230167 Monthly Oper Rept for Sept 1978.
 ALDEN, W. M. Philadelphia Electric Co. 78/10/15. 9pp. 94169:294.

7811140142 Forwards Monthly Oper Rept for Oct 1978.
 COONEY, M. J. Philadelphia Electric Co. 78/11/09. 1p. 94383:240.

--7811140144 Monthly Oper Rept for Oct 1978.
 ALDEN, W. M. Philadelphia Electric Co. 78/11/15. 9pp. 94383:241.

7811160084 Forwards Monthly Oper Rept for Oct 1978.
 COONEY, M. J. Philadelphia Electric Co. 78/11/09. 1p. 94134:273.

--7811160086 Monthly Oper Rept for Oct 1978.
 ALDEN, W. M. Philadelphia Electric Co. 78/11/15. 9pp. 94134:274.

7811170130 Forwards Thermal & Biological Monitoring Repts#60, covering period 780601 thru 780630, for subj facil.
 WILLSEY, W. B. Philadelphia Electric Co. 78/11/09. 1p. 94469:034.

--7811170131 Thermal & Biological Monitoring Repts#60, covering period 780601 thru 780630, for subj facil.
 * Philadelphia Electric Co. 78/11/09. 37pp. 94469:035.

7812080109 Forwards Thermal Monitoring Repts #61 & #62.
 WILLSEY, W. B. Philadelphia Electric Co. 78/12/03. 1p. 94246:238.

--7812080111 "Thermal & Biological Monitoring Prog for Unit #2 & 3." & Monthly Rept #61 for Jul 1978. Presents daily summary of air temp data: daily generation at PBAPS in thermal megawatts hourly, Conowingo Pond temps & impact hours above July limit.
 * Philadelphia Electric Co. 78/07/31. 12pp. 94246:239.

--7812080112 "Thermal & Biological Monitoring Prog for Unit 2 & 3." Monthly Rept #62 for August 1978. Presents daily generation at PBAPS, hourly Conowingo Pond & impact hours above August confidence limits.
 * Philadelphia Electric Co. 78/08/31. 12pp. 94246:250.

7812180134 Forwards Sept Thermal Monitoring Repts#63.
 WILLSEY, W. B. Philadelphia Electric Co. 78/12/12. 1p. 94366:008.

--7812180157 "Thermal & Biological Monitoring Prog#63 for Sept 1978." Oper w/in applicable thermal criteria w/monthly mean delta temp 1.41F higher than mean of proper experience.
 * Philadelphia Electric Co. 78/09/30. 11pp. 94366:009.

7812220043 Forwards Monthly Oper Rept for Nov 1978.
 COONEY, M. J. Philadelphia Electric Co. 78/12/14. 1p. 94248:300.

--7812220064 Monthly Oper Rept for Nov 1978.
 ALDEN, W. M. Philadelphia Electric Co. 78/12/12. 9pp. 94248:302.

B. Reportable occurrences, LERs & related correspondence

7810100082 LER#78-037/03L-0 on 780901: while testing ADS subys, timers on both loops were found outside the 115-125 second limit of tech specs due to setpoint drift of time delay relays. Timers were calibrated, retested & returned to svc.
 COONEY, M. J. Philadelphia Electric Co. 78/09/26. 1p. 94032:191.

7810100101 LER#78-036/03L-0 on 780901: failure of auxiliary oil pump to start due to a ground in motor. Motor, Baldor Type 1040D, 7 1/2 H.P., 250V, D.C. was replaced & HPCI sys tested satisfactorily w/in 36 hours. ADS timers not w/in Tech Specs.
 COONEY, M. J. Philadelphia Electric Co. 78/09/26. 1p. 94033:155.

7810100038 LER#78-035/03L-0 on 780830: E-3 diesel start time to reach rated voltage & frequency did not meet surveillance test requirement; probably caused by leaking check valve in the hydraulic sys assoc w/the air booster relay.
 COONEY, M. J. Philadelphia Electric Co. 78/09/29. 1p.

7810130185 Forwards LER#78-039/03L-0.
 COONEY, M. J. Philadelphia Electric Co. 78/10/04. 3pp. 94008:356.

130163 LER#78-039/03L-0 on 780904: backflow of radioactive liquid from requests demineralizers to svc air sys discovered on 0504 & 780921. Caused by leaking process valves & associated check valves due to dirt deposits.
DNEY, M. J. Philadelphia Electric Co. 78/10/04. 1p. 94002:359.

0094 Rept Occurrence#2-78-41/1P on 781010 during routine allance test of Unit 2 4KV undervoltage relays. setpoint vs sequence loading relays E-32 & E-42 were out of br. due to engr error.
ICH, M. Y. Philadelphia Electric Co. 78/10/11 2pp. 94399:079.

0164 LER#78-040/03L-0 on 780918: While testing stroking control, noted that when control rod was selected, previously cted rod did not deselect. Caused by defective relay h was subsequently replaced.
EY, M. J. Philadelphia Electric Co. 78/10/17. 1p.

0137 Forwards LER#78-041/01T-0
EY, M. J. Philadelphia Electric Co. 78/10/24. 2pp. 94042:316.

090141 LER#78-041/01T-0 on 781010: 2 4KV emergency bus sequential ading relays found outside Tech Spec limits. Caused by ror in determining setpoint & calibr span of relays. Relays calib & testing procedures revised.
DNEY, M. J. Philadelphia Electric Co. 78/10/24. 1p. 94042:318.

0146 Forwards LER#78-020/01T-0.
EY, M. J. Philadelphia Electric Co. 78/11/01. 2pp. 94043:001.

090182 LER#78-020/01T-0 on 781019: unit 3 containment oxygen ncentration had increased to 0.1% above 4 percent limit of ch Spec 3.7. A.5. Caused by open air back-up valves in operable instru nitrogen compressor.
DNEY, M. J. Philadelphia Electric Co. 78/11/01. 1p. 94043:014.

0095 LER#78-042/03L-0 on 781019: during start-up, inboard main m line drain isolation valve MD-2-74 would not close in onces to hand switch in control room, due to defective torque SMB-000 torque switch on the valve.
EY, M. J. Philadelphia Electric Co. 78/11/08. 1p. 94134:361.

0225 LER#78-044/03L-0 on 781021: during startup, excessive oper of gland seal condensate pump was noted. Check valve -131 was leaking which let condensate return to gland -condenser. Valves were blocked to facilitate repair.
EY, M. J. Philadelphia Electric Co. 78/11/20. 1p. 94474:239.

0210 Forwards revised until 781024 1tr containing LER 78-041/1T-0. errative description, "Rated pur" was inappropriately tstituted for "rated voltage" in 2 instances. Revision rate & consistent w/Tech Specs.
EY, M. J. Philadelphia Electric Co. 78/11/29. 1p. 03555:117.

070213 LER#78-041/01T-1 on 781010: 4V emergency bus sequential eding relays found to be outside Tech Spec calibr range e to error in setpoint & calibr span determination. Four KV eding relays recalibr.
DNEY, M. J. Philadelphia Electric Co. 78/11/29. 2pp. 03555:118.

0173 LER#78-045/03L-0 on 781031: oxygen analyzer sys isolation e BV-26710 was inoperable due to operating plunger king & dirty seating surface. Plunger & valve replaced eting surface cleaned.
EY, M. J. Philadelphia Electric Co. 78/11/30. 1p.

0162 LER#78-047/03L-0 on 781102: during third refueling outage, ed to remove neutron flux samples from reactor vessel. ed by administrative oversight. Eval of sample removal s in progress.
EY, M. J. Philadelphia Electric Co. 78/12/04. 1p. 94308:121.

0130 LER#78-046/03L-0 on 781117: output demand signal from RCIC Controller (Inst#HCB213-115) read down scale. Caused by circuit in controller demand current loop.
EY, M. J. Philadelphia Electric Co. 78/12/06. 1p. 94307:213.

50-278 PEACH BOTTOM ATOMIC POWER STATION, UNIT 3

Priority: medical, emergency & fire protection plans

0078 Forwards request for addl info re fire protec at subj facil. #1 NRC staff positions are encl re concern on this

.ITD, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/17. 94192:209.

7812260192 Responds to 781117 request for addl info re Fire Protec Prog. Remainder of questions will be addressed w/in 90 days. Subj covered incl: cables above control room ceiling, enclosed rooms w/in control room complex & seal quel prog.
DALTROFF, S. L. Philadelphia Electric Co. 78/12/20. 33pp. 94199:163.

O. Adjudicatory correspondence

7812130217 Memo & order re ALAB-509. Any party who disagrees w/ABLAB approach re radon emissions should file brief within 45 days.
DUFLO, M. E. Atomic Safety and Licensing Appeal Panel. 78/12/01. 11pp. 94306:087.

P. Operating license stage documents & correspondence

7812110052 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND: #7812080207.
IPPLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/29. 8pp. 94408:227.

7812180104 Forwards Amends#49 & #48 to Licenses DPR-44 & DPR-65, respectively. Tech Specs by increasing total storage capacity of spent fuel pools from 2220 to 5632 fuel assemblies. Forwards SER, EIA & notice of issuance.
IPPLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/30. 2pp. 94130:253.

--7812180107 Safety Eval supporting Amends#49 & 48 to Lics DPR-44 & DPR-56, respectively.
* Assistant Director for Engineers & Projects (Pre 790625). 78/11/30. 11pp. 94130:267.

--7812180108 EIA supporting Amends#49 & #48 to Lics #DPR-44 & DPR-56, respectively.
* Assistant Director for Engineers & Projects (Pre 790625). 78/11/30. 22pp. 94130:278.

7812080004 Forwards Licenses Performance Eval Questions for subj Facil in response to 771123 request. Feels it is possible that dev of statistical methodology for such eval may not justify the effort. Qualitative eval may be as good. Urges 1-year test.
ORIER, B. H. Region I, Philadelphia, Office of the Director. 77/12/13. 12pp.

7812130198 Ack receipt of 760604, 70930, 761130, & 761203 submittals. Forwards request for addl info to be provided w/in 34 days for cost-benefit analysis.
LEAR, O. Operating Reactors Branch 3 (Pre 790623). 77/02/16. 3pp. 94306:054.

7810230035 Notice of Issuance of Amends #44 & #44 to Facil Oper Lics #DPR-44 & DPR-56. Amends delete Environ Tech Specs Sections 6.1.b, 6.1.c & 6.1.d, re special study prog related to impingement, entrainment & thermal tolerance of organisms.
LEAR, O. Operating Reactors Branch 3 (Pre 790623). 78/07/26. 2pp. 94092:319.

7810250191 Notice of Issuance of Amends to Facil Oper Lics. NRC has issued Amends#45 & #46 to Facil Oper Lics#DPR-44 & DPR-56. Amends rev Tech Specs to mod reactor coolant Sys thermal & pressurization limitations.
IPPLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/08/04. 2pp. 94392:234.

7811010390 Forwards Amends#46 & 46 to Facil Oper Lic#DPR-44 & DPR-56 rev Tech Specs as requested in 780711 1tr w/Safety Evaluation & Notice of Issuance.
IPPLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/10/03. 2pp. 94388:281.

--7811010393 Amend#46 to Facil Oper Lic#DPR-44 rev Tech Specs re: surveillance of suppression pool temp logging, controlled bypass heatup line on HPCI steam supply & identification of valves to reflect plant unique designation.
IPPLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/10/03. 7pp. 94388:283.

--7811010400 Amend#46 to Facil Oper Lic#DPR-56 rev Tech Specs re: surveillance of suppression pool temp logging, controlled bypass heatup line on HPCI steam supply & identification of valves to reflect plant unique designation.
IPPLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/10/03. 9pp.

--781010403 Safety Eval Rept Supporting Amends#46 & 46 to Facil Oper Lic#DPR-44 & DPR-56 concluding that proposed mods & assoc Tech Spec changes have no safety or environ significance & are therefore acceptable
* Operating Reactors Branch 3 (Pre 790623). 78/10/03 3pp
94300.301.

--7810103232 Notice of Issuance of Amend#46 & 46 to Facil Oper Lic#DPR-44 & DPR-56 on 781003.
IPPOLITO, T A. Operating Reactors Branch 3 (Pre 790623). 78/10/03 2pp. 94001.340.

781010105 Responds to 780807 ltr requesting evaluation of subj facil Protec Sys pur supply to determine whether there is potential for undetected single failures to adversely affect Reactor Protec Sys
DALTROFF, S L. Philadelphia Electric Co. 78/10/03. 2pp. 94066.351.

7810230011 Forwards Amend#47 to Lic#DPR-44 & #47 to Lic#DPR-56 for subj Facil.changing Tech Spec in response to 780526 & 780905 ltrs.
IPPOLITO, T A. Operating Reactors Branch 3 (Pre 790623). 78/10/10 2pp. 94169.208

--7810230019 Amend#47 to Facil Oper Lic#DPR-56.changing Tech Spec re fire protec & admin controls
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790623). 78/10/10. 24pp 94169.231

--7810230024 Safety Evaluation Supporting Amend#47 to Facil Lic#DPR-44 & Amend 47 to Lic#DPR-56 Concludes that amend will not decrease safety margin.
* Operating Reactors Branch 3 (Pre 790623). 78/10/10. 8pp
94169.255

--7810230028 Notice of Issuance of Amend#47 to Facil Oper Lic#DPR-44 & Amend #47 to DPR # 56.rev Tech Spec re containment cooling sys controls,admin controls & snubbers.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790623). 78/10/10. 2pp. 94169.263.

7810270108 Response to 780927 NRC ltr re benchmarking Enc's PT88WR/2 code against present data & verifying transient & stability tests. Data to be supplied in Oct 1979 will satisfy requests & certain GE proprietary info must be provided.
CHSLEY, G.F. Exxon Nuclear Co., Inc. (subs. of Exxon Corp.). 78/10/19. 2pp. 94059.300.

7810270186 Forwards "Postoperational Rept#10 on the Ecology of Conowingo Pond for the Period of 7801-7806".
WILLBEY, W. B. Philadelphia Electric Co. 78/10/24. 1p. 94054.073

--7810270188 "Postoperational Rept#10 on the Ecology of Conowingo Pond for Period Jan-June 1978".
* Philadelphia Electric Co. 78/10/31. 161pp. 94054.074.

7811130033 Summary of 780914 meeting w/GE representatives & Mark 1 Owners Group re progress of Long Term Prog w/attendance list & agenda(RD-9-A-Mark1.Standards).
GRIBBS, B.C. Plant Systems Branch (Pre 791030). 78/10/26 67pp.

7811290288 Responds to 781106 request for info concerning licensee reg performance eval for Region 1 plants by NRC.Provides details.
GRIBBS, B.H. Region 1, Philadelphia, Office of the Director 78/11/09. 9pp. 94239.230.

7812190130 Notice of workshops re implementation of training & qual requirements contained in Append B of 10CFR73.Requests pre-workshop registration of attendees to facilitate sending out mail w/encl Registration Form & List of Locations.
MILLER, J.R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 5pp.

7812190268 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for BWR's(NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
GRIBBS, B.H. Assistant Director for Engineers & Projects (Pre 790623). 78/11/15. 6pp. 94364.324.

7812210066 Responds to 781116 telecon Forwards copies of ANS meeting papers which demonstrate attention to ALARA per ROB.B.
D'AMARA, J.C. Ebasco Services, Inc. (subs. of Eversharp Corp.). 78/11/17. 1p.

--7812210070 "Experience in Decontamination & Repair of Radwaste Concentrator at Millstone Unit#1." Describes procedures.
SUMMA, J. Northeast Nuclear Energy Co. (subs. of Northeast Utilities). 78/11/17. 19pp.

--7812210074 "Peach Bottom 2 & 3 Regenerative Heat Exchangers Chem Contamination & Seal Ring Repairs." Describes work performed in 1977 & 1978
ROWNER, M.H. Philadelphia Electric Co. 78/06/06. 22pp.

--7812210077 "Peach Bottom 2 & 3 Regenerative Heat Exchangers Chem Decontamination & Solidification." Describes work performed in 1977
CABEY, O.E. Dow Chemical Co. 78/02/14. 38pp

7811300385 Informs PECO that NRC has contracted w/Mountain West Res Inc to undertake a series of post-licensing studies of nuc pur stations. Studies will analyze socioecon impacts which occurred during const & post-const periods of each plant.
DEVUINO, R.C. Division of Site Safety & Environmental Analysis 78/11/20 2pp 94136.264.

7812070205 Notice of seminar on 781208 on New Model Radiological Effluent Tech Specs for nuc pur plants Requests advance submission of licensee specific questions w/encl Seminar Info Sheet, Proposed Agenda & maps
GRIBBS, B.H. Region 1, Philadelphia, Office of the Director. 78/11/21. 8pp. 94375.152.

7812180105 Amends#49 & #48 to Lic DPR-44 & DPR-56, respectively, expansion of spent fuel pool storage capacity & related Tech Specs.Forwards supporting SER & EIA
GRIBBS, B.H. Assistant Director for Engineers & Projects (Pre 790623). 78/11/30. 12pp 94130.235

--7812180112 Notice of Issuance of Amends#49 & #48 to Facils Operating Lic DPR-44 & DPR-56, respectively, & Negative Declaration.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790623). 78/11/30 3pp. 94130.300

7812140176 Forwards Oct 1978 Prog Activity Review listing meetings held & providing task-by-task activity summary for the month.
BOBON, L.J. General Electric Co. 78/12/04 11pp.

7812280035 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J.Q. Office of Inspection & Enforcement, Office of the Director. 78/12/06 2pp. 94133.214.

7812050013 Requests views of Regional Directors on Licensee performance eval of subj facils.Forwards questions to be answered by 771209.
THORNBURG, H. Division of Reactor Construction Inspection. 77/11/23 2pp.

7812180160 Forwards Appl for Amend of Facil Operating Lic in order to temporarily modify subj Facil Tech Specs relating to the Reactor Core Isolation Cooling Sys.Forwards \$4,000 appl Filing Fee
BRADLEY, E.J. Philadelphia Electric Co. 78/12/14. 8pp. 94366.021

7811210367 Forwards addl info re multiple consecutive safety/relief valve actuation of Mark 1 containment program
BOBON, L.J. General Electric Co. 78/11/13. 3pp.

G. Inspection reports, IE Bulletins & correspondence

7811090053 Forwards IE Inspec Rept#50-277/78-23 & #50-278/78-28 on 780823 during which no items of noncompliance were noted. Major areas inspected included: review of Licensee's response to IE Circular 78-B dtd 780531.
GREENMAN, E.Q., MCCABE, E.C. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/21. 2pp. 94040.099.

--7811090058 IE Inspec Rept#50-277/78-23 & #50-278/78-28 on 780823 during which no items of noncompliance were noted. Major areas inspected included: review of Licensee's response to IE Circular 78-B dtd 780531.
GREENMAN, E.Q., MCCABE, E.C. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/18. 6pp. 94040.101.

7810160238 Forwards IE Bulletin#78-12: "Atypical Weld Material in Reactor Pressure Vessel Welds" requesting action w/in 60 days & list of IE Bulletins issued in 1978.
(see ANON7810040253)
GRIBBS, B.H. Region 1, Philadelphia, Office of the Director. 78/09/29. 6pp. 94006.353.

7811010085 Ack receipt of 781002 ltr informing NRC of Steps taken to correct violations noted during inspec #50-277/78-21 & #50-278/78-26.
MARTIN, W.Q. Region 1, Philadelphia, Safeguards Branch. 78/10/10. 1p. 94381.297.

0089 Responds to 780918 NRC ltr re violations noted in Inspec
#50-277/78-21 & #50-278/78-26 Corrective actions:mod
user analysis method to calculate incremental Pu-241.
RODFF,B.L. Philadelphia Electric Co. 78/10/02. 2pp.
1:298.

0093 Forwards IE Inspec Repts#50-277/78-21 & #50-278/78-26 on
14-16 & Notice of Violation.
IN.W.C. Region 1, Philadelphia, Safeguards Branch. 78/09/18.
94381:300.

0095 Notice of Violation from Inspec on 780814-16.
Region 1, Philadelphia, Office of the Director. 78/09/14. 1p.
1:302.

0099 IE Inspec Repts#50-277/78-21 & #50-278/78-26 on 780914-16
in which 1 item of noncompliance was noted: Amount of
radioactive decay of Pu-241 during periods ending 770331,
30 & 780331 not reported on Form-742-Paragraph 7.
BETT,P.H. Region 1, Philadelphia, Office of the Director.
B.S.E.T., JOYNER,J.H. Region 1, Philadelphia, Safeguards Branch.
09/14. 10pp. 94381:303.

0103 Forwards IE Circular#78-17. (See ANO: 7810230221.Docket
3,781013.)
B.H. Region 1, Philadelphia, Office of the Director.
13. 1p. 94489:205.

0145 Forwards licensee performance evaluation for Region 1. No
ing reactor in Region 1 considered to have either
al or unusual safety concern.
B.H. Region 1, Philadelphia, Office of the Director.
01. 4pp. 00002:259.

60 Forwards IE Circular #78-18, "UL Fire Test." W/encl AND:
00002.
B.H. Region 1, Philadelphia, Office of the Director
06. 1p. 94238:052.

0221 Responds to 780929 NRC ltr forwarding IE Bulletin 78-12
ests add info re reactor vessel weld matl & reactor
fabrication. Gen Elec Co is providing this info which
is forwarded to NRC at a later date.
RODFF,B.L. Philadelphia Electric Co. 78/11/22. 2pp. 94398:335.

55 Forwards IE Bulletin#78-12A, suppl to IE Bulletin#78-12.
ANO: 7811300055.
B.H. Region 1, Philadelphia, Office of the Director.
24. 1p. 94212:220.

666 operating reports & related correspondence

030 Forwards Thermal & Biological Monitoring Rept#60, covering
780601 thru 780630, for subj facil.
V.W.B. Philadelphia Electric Co. 78/11/09. 1p. 94469:034.

70131 Thermal & Biological Monitoring Rept#60, covering period
01 thru 780630, for subj facil.
Philadelphia Electric Co. 78/11/09. 37pp. 94469:035.

09 Forwards Thermal Monitoring Repts #61 & #62.
V.W.B. Philadelphia Electric Co. 78/12/05. 1p. 94246:238.

0111 "Thermal & Biological Monitoring Prog for Unit #2 & 3." &
thly Rept #61 for Jul 1978. Presents daily summary of
temp data; daily generation at PBAPS in thermal megawatts
ly; Conowingo Pond temps & impact hours above July limit.
Philadelphia Electric Co. 78/07/31. 12pp. 94246:239.

0112 "Thermal & Biological Monitoring Prog for Unit 2 & 3."
thly Rept #62 for August 1978. Presents daily generation
PBAPS, hourly Conowingo Pond & impact hours above August
idance limits.
Philadelphia Electric Co. 78/08/31. 12pp. 94246:250.

064 Monthly Oper Rept for Nov 1978.
W.M. Philadelphia Electric Co. 78/12/12. 9pp. 94248:302.

084 Forwards Monthly Oper Rept for Oct 1978.
V.W.B. Philadelphia Electric Co. 78/11/09. 1p. 94134:273.

0086 Monthly Oper Rept for Oct 1978.
W.M. Philadelphia Electric Co. 78/11/15. 9pp. 94134:274.

84 Forwards Sept Thermal Monitoring Rept#63.
V.W.B. Philadelphia Electric Co. 78/12/12. 1p. 94366:008.

--7812180157 "Thermal & Biological Monitoring Prog#63 for Sept 1978."
Oper w/in applicable thermal criteria w/monthly mean delta
temp 1.41F higher than mean of proper experience.
* Philadelphia Electric Co. 78/09/30. 11pp. 94366:009.

7812220043 Forwards Monthly Oper Rept for Nov 1978.
COONEY,M.J. Philadelphia Electric Co. 78/12/14. 1p. 94248:300.

B. Reportable occurrences, LERs & related correspondence

7810100096 LER#78-016/03L-0 on 780904 during surveillance test Unit 3
"D"main steam radiat monitor failed to cause a half scram
due to defective transistor. Transistor was replaced &
monitor returned to svc in 6 hours.
COONEY,M.J. Philadelphia Electric Co. 78/09/26. 1p. 94033:159.

7810130155 Forwards LER#78-039/03L-0.
COONEY,M.J. Philadelphia Electric Co. 78/10/04. 3pp. 94002:356.

--7810130163 LER#78-039/03L-0 on 780904: backflow of radioactive liquid
from radwaste demineralizers to svc air sys discovered on
780904 & 780921. Caused by leaking process valves &
associated check valves due to dirt deposits.
COONEY,M.J. Philadelphia Electric Co. 78/10/04. 1p. 94002:359.

781080094 Rept Occurrence#2-78-41/1P on 781010 during routine
surveillance test of Unit 2 4KV undervoltage relays, setpoint
of bus sequence loading relays E-32 & E-42 were out of
calibr. due to engr error.
ULLRICH,W.T. Philadelphia Electric Co. 78/10/11. 2pp. 94399:079.

7810270261 Forwards LER#78-019/01T-0.
COONEY,M.J. Philadelphia Electric Co. 78/10/16. 2pp. 94029:200.

--7810270270 LER#78-019/01T-0 on 780929: underestimated amount of activity
in purge stream of off-gas sample, resulting in 3 peaks
exceeding Tech Spec limits. Purging of off-gas directly to
vent sys during off-gas process has been stopped.
COONEY,M.J. Philadelphia Electric Co. 78/10/16. 1p. 94029:202.

781140086 Reportable Occurrence#3-78-20/1P on 781019: while Unit 2 was
being inerted, Unit 3 drywell oxygen concentration exceeded
Tech Spec limit by 0.1%. Drywell was depressurized & purged
to bring oxygen concentration w/in limit.
ULLRICH,W.T. Philadelphia Electric Co. 78/10/19. 2pp. 94425:059.

7811280470 Reportable Occurrence#3-78-21/1P on 781106: HPCI tripped after
delivering erratic flow to reactor vessel following a
reactor scram. No cause determined & investigation continues.
ULLRICH,W.T. Philadelphia Electric Co. 78/11/07. 2pp. 94376:361.

7811280227 Forwards LER#78-021/01T-0.
COONEY,M.J. Philadelphia Electric Co. 78/11/20. 2pp. 94012:045.

--7811280230 LER#78-021/01T-0 on 781106: while at pur feedwater control
sys failure resulted in reactor low level transient & scram
HPCI initiated but delivered unstable flow & soon tripped on
overspeed. Cause was HPCI governor being out of calibr.
COONEY,M.J. Philadelphia Electric Co. 78/11/20. 1p.

7812210165 LER#78-022/03L-0 on 781116: during performance of AHR
surveillance test, motor operated valve#MD-1548 was closed
from control room & failed to reopen. B LCPI sys was declared
inoper. Cause: loose drive sleeve locknut on operator SMB-3.
COONEY,M.J. Philadelphia Electric Co. 78/12/15. 1p. 06911:001.

7812290198 LER#78-023/03L-0 on 781127: "D" Reactor Bldg Area Exhaust
Radiat Monitor indicated downscale & was determined to be
inoperable. Caused by defective inner diode in amplifier of
OE sensor-converter unit, model#194X27011.
COONEY,M.J. Philadelphia Electric Co. 78/12/20. 1p. 94190:334.

DOCKET 90-279 SANTA MARIA DE GARONA NUCLEAR POWER PLANT

H. General correspondence

7811210413 Believes nuc pur cannot be made safe & that constr of subj
facil should be stopped.
STAHL,R.F. Affiliation Unknown. 78/11/13. 1p. 94483:126.

DOCKET 50-280 SURRY POWER STATION, UNIT 1

E. NRC Safety Evaluation Report (SER), supp & correspondence

7B12140180 "NRC draft SER re Surry steam generator repair program, for use by ACRS Surry Subcommittee at 7B1028 meeting."
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 7B/10/27. 42pp

7B12280284 Forwards Safety Eval by NRR dtd 7B1215
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 7B/12/15. 2pp. 94083.033

--7B12280291 Safety Evaluation Rpt supporting Steam Generator Repair Prog of sub; facil, concluding that health & safety of pub will not be endangered by the proposed steam generator repair prog.
* Office of Nuclear Reactor Regulation, Director. 7B/12/15. 5pp. 94083.055

F. Security, medical, emergency & fire protection plans

7B10300022 Forwards "Chapter 10-Special Security Measures During Constr Oper" which is to be incorp as part of mod amended security plan for sub; facil. Document available in Central Files only.
STALLINGS, C.M. Virginia Electric & Power Co. 7B/10/25. 1p. 94031.052

7B12120157 Forwards reproductions of articles that appeared in June & Aug 1978 editions of Nuclear Security Safeguards Newsletter.
KENNA, W.B. Region 2, Atlanta, Safeguards Branch. 7B/11/17. 4pp. 94276.329

M. Antitrust correspondence

7B10310360 Ack receipt of addl antitrust info on Old Dominion Elec Cooperative, transmitted by owner of sub; facil.
PARR, O.D. Light Water Reactors Branch 3. 7B/10/23. 7pp

O. Advisory Committee on Reactor Safeguards reports & correspondence

7B12040389 Notice of ACRS Subcommittee on Surry Power Plant 7B1028 open meeting at 8:30 am to discuss steam generator repair program.
HOYLE, J.C. Office of the Secretary of the Commission. 7B/10/10. 2pp. 94282.342

7B12200296 Forwards 7B1214 memo containing info on condenser tube matl requested by ACRS during 223d ACRS meeting.
CROCKER, L.P. Division of Project Management. 7B/12/15. 1p. 94205.348.

--7B12200307 Forwards list of condenser matl for operating PWR's as requested by ACRS
NODMAN, V.S. Engineering Branch (Pre 791030). 7B/12/14. 4pp. 94205.349

P. Operating license stage documents & correspondence

7B10230154 Order amending Facil Operating Lic#DPR-32 & DPR-37. Rev 770824 Order for Mod of Lic.
STELLID, V. Division of Operating Reactors. 7B/06/29. 4pp. 94194.351.

7B10250232 Supplements 7B0817 response to IE Bulletin#7B-01, "Bergen-Peterson Hydraulic Snubbers". Corrects typographical error.
STALLINGS, C.M. Virginia Electric & Power Co. 7B/08/30. 1p. 94372.223.

7B10120034 Forwards addl info in response to 7B0612 NRC ltr re movement of heavy loads near spent fuel. Includes diagrams illustrating physical relationship between reactor core, fuel transfer canal, spent fuel storage pool & movement of loads.
STALLINGS, C.M. Virginia Electric & Power Co. 7B/10/09. 38pp. 94332.252.

7B10140139 Responds to NRC ltr of 7B0913 & states plans to comply with conditions of recently issued Exemption & Order for Mod of Lic for sub; facil by Jan 1979. Also plans to submit sufficient analysis plus Tech Spec changes in compliance.
STALLINGS, C.M. Virginia Electric & Power Co. 7B/10/11. 1p. 94005.311.

7B10160198 Forwards amend to Oper Lic for sub; facil's proposed Tech Spec Change No 72. Amend is in response to Schwencer's 7B0828 ltr requesting dev of Tech Specs to ensure operability of the overpressure protector sys.
STALLINGS, C.M. Virginia Electric & Power Co. 7B/10/12. 14pp. 94032.355.

7B10250215 Ack receipt of ltr dtd 7B0929 stating intention to perform environ qual test. Test prog found acceptable except for acceptance criterion "short term for safety sys initiation following accident".
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 7B/10/12. 3pp. 94370.038

7B10180119 Forwards "Subj Facil Cycle 5 Startup Physics Test Rpt".
THOMAS, W.N. Virginia Electric & Power Co. 7B/10/13. 1p. 94368.358

--7B10180121 "Subj Facil Cycle 5 Startup Physics Test Rpt".
KUNBLISS, T.J., LEBERSTEIN, J.H. Virginia Electric & Power Co. 7B/09/30. 78pp. 94368.212

7B10270380 Based on clarification of environ testing on Continental cable contained in 7B0929 ltr testing prog is now acceptable.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 7B/10/18. 2pp. 94030.162

7B10300331 Ack receipt of 7B0726 ltr re inspec & maint of outside recirculation spray pumps & low head safety injection pump. Does not agree that condition of pumps after 30 hours of oper is a sufficient test to assure long term oper.
EISENHUT, D.O. Assistant Director for Systems Engineering (Pre 791030). 7B/10/19. 3pp. 94253.348

7B10270174 Forwards copies of "Steam Generator Repair Prog" for sub; facil. Rev contains supplemental info requested by staff.
STALLINGS, C.M. Virginia Electric & Power Co. 7B/10/25. 2pp. 94036.288

--7B10270223 "Steam Generator Repair Prog" for sub; facil. Rev contains supplemental info requested by NRC Staff.
* Virginia Electric & Power Co. 7B/10/25. 9pp. 94036.290.

7B10500606 Forwards draft safety evaluation re steam generator prog (AND 7B121401801), & copy of "Radiological Assessment of Steam Generator Removal & Replacement (AND 7B12140185).
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 7B/10/27. 1p. 94423.328.

7B10701130 Forwards new sched for submission of radiological effluent Tech Specs as requested in 7B0710 ltr by B.D. Vassallo. Delay has been caused by changes in Model Tech Spec & NUREG 0133.
STALLINGS, C.M. Virginia Electric & Power Co. 7B/11/03. 1p. 94036.355.

7B10701190 Responds to 7B1019 ltr on IRS pumps, ORS pumps & LHSI pumps. States respective pumps will perform satisfactorily under accident conditions & encs design info & inspec & test results.
STALLINGS, C.M. Virginia Electric & Power Co. 7B/11/03. 4pp. 94036.351.

7B11170082 Forwards rev page T80.4-7a of Tech Spec amend#44 & 43 transmitted in 7B0927 ltr. Due to administrative error, an incorrect copy of page was sent.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 7B/11/06. 3pp. 02766.281.

7B11290152 Forwards Amend#45 & #45 to Facil Oper Lic#DPR-32 & #DPR-37 rev Tech Specs requested in 770516 appl w/Environ Impact Appraisal & Notice of Issuance/Negative Declaration.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 7B/11/06. 3pp. 94240.001.

--7B11290166 Amend#49 to Facil Oper Lic#DPR-32 rev Tech Spec re: deleting biological monitoring prog except for low-intensity fish sampling prog.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 7B/11/06. 2pp. 94240.004.

--7B11290168 Amend#45 to Facil Oper Lic#DPR-37 rev Tech Spec to reduce prog for temp, salinity & impingement monitoring w/Tech Specs encl.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 7B/11/06. 3pp. 94240.006.

--7811290172 Environ Impact Appraisal supporting Amend #45 & #45 to Facil
Oper Lic #DPR-32 & #DPR-37--concluding that there will be no
environ impact from proposed action
* Operating Reactors Branch 1 (Pre 790625) 78/11/06 10pp
94240 017

--7811290175 Notice of Issuance of Amend #45 & #45 to Facil Oper Lic
#DPR-32 & #DPR-37 & Negative Declaration on 781106
SCHWENCER, A Operating Reactors Branch 1 (Pre 790625) 78/11/06
3pp 94240 027

7811240021 Notifies util of 781205 seminar in Atlanta to discuss new
Model Red Effluent Tech Specs & encl seminar info sheet.
registration form & proposed agenda
O'REILLY, J P. Region 2, Atlanta, Office of the Director. 78/11/09
3pp 94458 162

7811140128 Forwards Rev B replacement pages to document entitled "Steam
Generator Repair Prog, Burry Pwr Station, Units #1 & #2 "
STALLINGS, C M Virginia Electric & Power Co. 78/11/10. 3pp.
94425 233.

7811300057 Forwards NRC staff paper, Policy Session Item (BECY-78-554) re
licensee reg performance evaluation. Three methods for
evaluation are: statistical, trend analysis & regional survey
method W/out encl
O'REILLY, J P. Region 2, Atlanta, Office of the Director 78/11/15
2pp. 94071 309.

7812150205 Notice of workshops re implementation of training & qual
requirements contained in Appendix U of 10CFR73 Requests
pre-workshop registration of attendees to facilitate sending
out mail W/encl Registration Form & List of Locations.
MILLER, J R Assistant Director for Site & Safeguards (Pre 791030).
78/11/15 3pp.

7811300036 Informs VEPC that NRC has contracted w/Mountain West Res
Inc to undertake a series of post-licensing studies of nuc
pwr stations. Studies will analyze socioeconomic impacts which
occurred during constr & post-constr periods of each plant.
DEYOUNG, R C Division of Site Safety & Environmental Analysis
78/11/20. 2pp. 94070 353.

7811280247 Forwards title page of "Steam Generator Repair Prog" for
sub j facil, which was forwarded on 780817. Page had been
inadvertently omitted.
STALLINGS, C M. Virginia Electric & Power Co. 78/11/22 2pp.
94012 164.

7811300222 Forwards responses to NRC questions re permanent solution of
low head safety injection & spray pump net positive suction
head problems in response to 780131 NRC ltr requesting addl
info
STALLINGS, C M. Virginia Electric & Power Co. 78/11/22. 34pp.
94070 075.

7812150059 Discusses possible dangers of LOCA in containment purging
during normal plant oper. Requests either commitment to limit
purging or justification for continuing. W/encl AND
7812080207.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/28.
6pp. 94210 099.

7812110063 Responds to 780922 ltr requesting comments on Tech Spec
changes to Sec 4.4 Containment tests Disapproves proposal
that air locks be tested at 4 mo intervals w/o intermediate
test should air locks be opened during such interval.
STELLO, V. Division of Operating Reactors. 78/11/29. 4pp.
94338 179

7812200169 Notifies NRC that for 30 min on 781118, condenser cooling
water outlet temp decreased by 3.5 degrees F with both units
at steady pwr. Cooling water through condensers was increased
& temp dropped 3.5 degrees F. No detriment to biota was found.
STALLINGS, C M. Virginia Electric & Power Co. 78/11/29. 1p.
94157 359.

7812110087 Responds to 780726 request for exemption from 10CFR21. Comm
amend to 10CFR21 dtd 781019 might eliminate need for such
exemption. W/encl FR notice of amend to 10CFR21.
DENTON, H R. Office of Nuclear Reactor Regulation, Director.
78/11/30. 4pp. 94338 305.

7812120054 Responds to 781103 ltr providing addl info re low head
safety injection pumps, outside plans for inspect & test &
ached for providing addl info.
EISENHUT, D O. Assistant Director for Systems Engineering (Pre
791030). 78/12/01. 3pp. 94278 076.

7812180039 Ack receipt of 780919 rept VEP-FRD-23, "Reactor Core Thermal
Hydraulic Analysis Model Using LYNX 1 & LYNX 2 Computer
Codes." Requests submittal of references 9 & 12, which are
omitted
SCHWENCER, A Operating Reactors Branch 1 (Pre 790625) 78/12/04
2pp 94278 096

7812180433 Requests registration as user of CNSI-LL-97-65, CNSI-LL-50-
100, CNSI-14-195H, CNSI-LL-28-4, CNSI-4-45, CNSI-AL-33-90. &
CNSI-8C-48-220.
STALLINGS, C M Virginia Electric & Power Co 78/12/04. 1p
94337 029

7812280131 Emphasizes importance of submitting accurate & complete info
to NRC by licensees & applicants Info submitted must be
substantiated by data & calculations Licensees must notify
NRC of any inaccuracies or enforcement action will result.
DAVIS, J O Office of Inspection & Enforcement, Office of the
Director 78/12/06 2pp. 94310 283.

7812220006 Forwards repts on sub j Facil net positive section head (NPSH)
concerns on containment recirculation spray pumps & low
head safety injection pumps Requests an eval by 790101 of
the repts re adequacy of available NPSH for sub j pumps
BUCKLEY, B C Plant Systems Branch (Pre 791030) 78/12/11. 2pp.
94248 283

7812150282 Forwards proposed Amend to Oper Lic DPR-32 Proposed change
is to extend oper for addl nine months from completion of
upcoming steam generator inspect W/check for \$4,000.00
STALLINGS, C M Virginia Electric & Power Co. 78/12/12 2pp
94409 156

7812190079 Forwards proposed Tech Spec to replace those submitted
781012 Proposed changes set reactor coolant sys temp limit
of 350 degrees below which the sys must be enabled. Less
dependence is put on operator surveillance
STALLINGS, C M Virginia Electric & Power Co 78/12/14 10pp
94342 357

7812190088 Responds to 781201 ltr re low head safety injection pumps &
outside & inside recirculation spray pumps Will forward
conclusions re extension of interval between IRS pump tests
following inspect
STALLINGS, C M Virginia Electric & Power Co 78/12/15 2pp
94343 027.

7812190090 Forwards proposed changes in form of an amend. to Tech Specs
of Oper Lic DPR-32 & DPR-37 Request does not involve any
unreviewed safety question Check for payment of amend fees
encl.
STALLINGS, C M. Virginia Electric & Power Co 78/12/15. 19pp.
94341 001.

7812190148 Forwards results of environ qual testing on the Continental
Instrument Cable in use at sub j facil Cable performance was
w/in acceptance criteria for both the simulated loss of
coolant & steam break accident conditions.
STALLINGS, C M. Virginia Electric & Power Co. 78/12/15 1p.
94340 079.

--7812190149 Environ testing of instr cable was conducted to conform
w/requirements established by sub j util. Cable subjected to
thermal aging & radiat exposure prior to test simulating
LOCA & MSLB accident conditions. Cables function as intended.
* Virginia Electric & Power Co. 78/11/29. 64pp. 94340 080.

7812220032 Forwards suppl repts on sub j Facil containment recirculation
spray pumps & low head safety injection pumps. Requests
assistance in reviewing & providing a safety eval of mass &
energy release data submitted in early Jan 1979.
STELLO, V. Division of Operating Reactors 78/12/16. 2pp.
94248 360.

7812260252 Suppl to 781212 VEPC ltr requesting amend to Oper Lic
#DPR-32. Provides clarification of inspect prog, summary of
initial inspect results & defines areas of addl inspect
identified to date.
STALLINGS, C M Virginia Electric & Power Co 78/12/20. 4pp.
94199 351.

7812280132 Requests an amend to Oper Lic in form of changes to Tech
Specs re Emergency Core Cooling Sys & Loss of Coolant
Accident. Forwards check for \$4,400.
STALLINGS, C M Virginia Electric & Power Co. 78/12/26. 95pp.
94310 285

Q. Inspection reports, IE Bulletins & correspondence

- 7811010414 Ack receipt of 771207 ltr informing NRC of steps taken to correct violations noted during inspect#50-280/77-30 & #50-281/77-30.
LONO, F. J. Region 2, Atlanta, Office of the Director. 77/12/16 1p. 94388:342
- 7811010415 Responds to 771114 NRC ltr re violation noted in Inspec Rept #50-280/77-30 & #50-281/77-30.
STALLINGS, C. M. Virginia Electric & Power Co. 77/12/07. 1p. 94388:343
- 7811010423 Forwards IE Inspec Rept#50-280/77-30 & #50-281/77-30 on 771004-07 & Notice of Violation. Notice of Violation is withheld from disclosure per 10CFR2.790
LONO, F. J. Region 2, Atlanta, Office of the Director. 77/11/14. 2pp. 94388:344.
- 7811010428 IE Inspec Rept#50-280/77-30 & #50-281/77-30 on 771004-07 during which 1 item of noncompliance was noted. Improper security badging. Details withheld from disclosure per 10CFR2.790
ROEBER, R. F., WHITENER, M. L. Region 2, Atlanta, Office of the Director. 77/11/09. 8pp.
- 7810230139 Forwards IE Inspec Repts#50-280/78-19 & #50-281/78-19 on 780802-04 during which no items of noncompliance were noted.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/14. 2pp.
- 7810250140 IE Inspec Repts#50-280/78-19 & #50-281/78-19 on 780802-04 during which no items of noncompliance were noted. Major areas inspected included: quality assurance records, procurement & follow-up to LER.
SKOLDS, J. L. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/14. 6pp.
- 7810310048 Forwards IE Inspec Repts #50-280/78-20 & #50-281/78-20 on 780801 during which no items of noncompliance were noted.
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/21. 2pp. 94094:119.
- 7810310054 IE Inspec Repts #50-280/78-20 & #50-281/78-20 on 780811 during which no items of noncompliance were noted. Major areas inspected included: whole body counting practices & procedures; test count on NRC phantom on whole body counter.
OIBSON, A. F. Region 2, Atlanta, Office of the Director. 78/09/21. 4pp. 94094:121.
- 7810260015 Forwards IE Inspec Repts#50-280/78-23 & #50-281/78-23 on 780905-08 during which no items of noncompliance were noted.
Inspec Rept withheld from pub disclosure pursuant to 2.790
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/10/13. 2pp. 94410:053.
- 7812060258 Forwards IE Inspec Repts#50-280/78-24 & #50-281/78-24 on 780912-15 during which no items of noncompliance were noted.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/23. 2pp. 94371:328.
- 7812060262 IE Inspec Repts#50-280/78-24 & #50-281/78-24 on 780912-15 during which no items of noncompliance were noted. Major areas inspected incl: plant oper, lic event repts, safety injection sys features & IE Circular followup.
BURKE, D. J., SKOLDS, J. L., LEWIS, R. C. Region 2, Atlanta, Office of the Director. 78/10/23. 7pp. 94371:330.
- 7812110222 Forwards IE Inspec Repts#50-280/78-27 & #50-281/78-27 on 780925-29 during which no items of noncompliance were noted.
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/02. 2pp. 94338:013.
- 7812110225 IE Inspec Repts#50-280/78-27 & #50-281/78-27 on 780925-29 during which no items of noncompliance were noted. Major areas inspected incl: previous items, reactor coolant chem control, solid radwaste control & gaseous effluents.
OIBSON, A. F., EWALD, B. C., JACKSON, L. L. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/02. 13pp. 94338:015.
- 7812080006 Forwards IE Inspec Repts#50-280/78-25 & #50-281/78-25 on 780918-22 during which no items of noncompliance were noted.
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/03. 2pp. 94109:069.
- 7812080010 IE Inspec Repts #50-280/78-25 & #50-281/78-25 on 780918-22. No items of noncompliance were noted. Major areas inspected: radiological environ monitoring program incl: mgmt control &
- 781150110 Forwards IE Circular 78-18.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/06 1p. 94113:311
- 7811200335 Forwards IE Inspec Repts#50-280/78-26 & #50-281/78-26 on 780924-29 & Notice of Violation which is withheld from public disclosure.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/07. 2pp. 94419:332.
- 7812140151 Forwards IE Inspec Repts#50-280/78-29 & #50-281/78-29 on 781002-06 during which no items of noncompliance were noted.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/07. 2pp. 94478:350.
- 7812140156 IE Inspec Repts#50-280/78-29 & #50-281/78-29 on 781002-06 during which no items of noncompliance were noted. Major areas inspected incl: procedures, LER follow-up & action on previous inspec findings
OULTS, J. E., KELLOGG, P. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/03. 5pp. 94478:352
- 781130237 Ack receipt of 781026 ltr informing NRC of steps taken to correct violations noted during inspect#50-280/78-22 & #50-281/78-22.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/08. 1p. 03554:318.
- 781130238 Responds to 781003 NRC ltr re violations noted in Inspec Repts#50-280/78-22 & #50-281/78-22. Corrective actions: special equal training course re startup procedures & theory. Emphasis on BRD & RO retraining
STALLINGS, C. M. Virginia Electric & Power Co. 78/10/26. 3pp. 03554:319.
- 781130239 Forwards IE Inspec Repts#50-280/78-22 & #50-281/78-22 on 780821-24 & Notice of Violation
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/03. 2pp. 03554:322.
- 781130240 Notice of Violation from inspec on 780821-24.
* Region 2, Atlanta, Office of the Director. 78/10/03. 1p. 03554:324.
- 781130241 IE Inspec Repts#50-280/78-22 & #50-281/78-22 on 780821-24 during which 2 items of noncompliance were noted: failure to follow procedures paragraphs & deficiency LER's not submitted to NRC w/in req time.
BURKE, D. J., BRADFORD, W. H., BUZY, J. J. Region 2, Atlanta, Office of the Director. 78/10/03. 11pp. 03554:325.
- 781200127 Ack receipt of 781018 ltr informing NRC of steps taken to correct violations noted during inspect#50-280/78-21. No violations noted during inspect#50-281/78-21.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/08. 1p. 94220:347.
- 781200133 Responds to 780927 NRC ltr re violation noted in Inspec Repts#50-280/78-21. Corrective actions: procedures mod to include specific guidance on High Flux Trip Setpoint Reduction.
STALLINGS, C. M. Virginia Electric & Power Co. 78/10/18. 2pp. 94220:348.
- 781200140 Forwards IE Inspec Repts#50-280/78-21 & #50-281/78-21 on 780815-18 & Notice of Violation re #50-280/78-21.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/27. 2pp. 94220:350.
- 781200210 Notice of Violation from inspec on 780815-18.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/27. 1p. 94220:352.
- 781200214 IE Inspec Repts#50-280/78-21, #50-281/78-21 on 780815-18 during which 1 item of noncompliance was noted: trip sys setting was higher than the limiting safety sys setting.
BURNETT, P. T., MARTIN, R. D. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/26. 5pp. 94220:353.
- 7812210108 Forwards IE Inspec Repts#50-280/78-30 & #50-281/78-30 on 781010-13 during which no items of noncompliance were noted.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/13. 2pp. 94269:276.
- 7812210113 IE Inspec Repts#50-280/78-30 & #50-281/78-30 on 781010-13 during which no items of noncompliance were noted. Major areas inspected incl: plant oper, plant cleanliness control, IE

7812290082 Forwards IE Inspec Repts#50-280/78-28 & #50-281/78-28 on 781002-06 during which no items of noncompliance were noted
BUTERLAND, J T Region 2, Atlanta, Fuel Facility & Materials Safety Branch 78/11/17 2pp 94190 089

--7812290089 IE Inspec Repts#50-280/78-28 & #50-281/78-28 on 781002-06 during which no items of noncompliance were noted Major areas inspected incl emergency facili, equip, procedures, tests & drills, environ sys & fire brigade topics
PERDITI, D J HUFHAM, J W Region 2, Atlanta, Fuel Facility & Materials Safety Branch 78/11/17 15pp 94190 091

7812010261 Forwards results of staff measurements of radioactive matl in an NRC phantom on the whole body counter taken during inspec on 780911
BUTERLAND, J T Region 2, Atlanta, Fuel Facility & Materials Safety Branch 78/11/20 3pp 94417 143

7812040320 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12, W/anal AND 781100035
O'REILLY, J P Region 2, Atlanta, Office of the Director 78/11/24 1p 94121 341

7812130381 Responds to IE Bulletin#78-12 re reactor pressure vessel weld matl Will give NRC sched of info availability as soon as arrangements w/vendor are finalized.
STALLINGS, C M Virginia Electric & Power Co 78/11/28 1p 94292 217

7812180332 Ack receipt of 781201 ltr informing NRC of steps taken to correct violations noted during inspec#50-280/78-26 & #50-281/78-26
KENNA, W B Region 2, Atlanta, Safeguards Branch 78/12/11 1p 94356 062

--7812180338 Responds to 781107 NRC ltr re violations noted in Inspec Repts#50-280/78-26 & #50-281/78-26 Corrective actions withheld from pub disclosure pursuant to 2 790.
STALLINGS, C M Virginia Electric & Power Co 78/11/28 1p 94356 063

7812290040 Forwards IE Bulletin 78-14
O'REILLY, J P Region 2, Atlanta, Office of the Director 78/12/19 2pp 94189 336

R Periodic operating reports & related correspondence

7810230184 Forwards Monthly Oper Rept for Sept 1978
STALLINGS, C M Virginia Electric & Power Co 78/10/13 1p 94170 193

--7810230187 Monthly Oper Rept for Sept 1978.
STEWART, D L Virginia Electric & Power Co 78/10/13 44pp 94170 194

7811170192 Monthly Oper Rept for Oct 1978
STEWART, D L Virginia Electric & Power Co 78/10/31 43pp

7811200194 Forwards Monthly Oper Rept for Oct 1978
STALLINGS, C M Virginia Electric & Power Co 78/11/14 1p 94253 001

--7811200198 Monthly Oper Rept for Oct 1978.
STEWART, D L Virginia Electric & Power Co 78/11/14 43pp 94253 002

7812290262 Monthly Oper Rept for Nov 1978
KANE, G Virginia Electric & Power Co 78/12/01 38pp 94206 242

7812290260 Forwards Monthly Oper Rept for Nov 1978.
STALLINGS, C M Virginia Electric & Power Co 78/12/12 1p 94206 261

S Reportable occurrences, LERs & related correspondence

7810100074 Forwards LER#78-004/03X-1
STALLINGS, C M Virginia Electric & Power Co 78/10/03 1p 94032 241

--7810100079 LER#78-004/03X-1 on 780305 loss of svc water flow through charging pump intermediate seal cooler was caused by corrosion of stem of discharge gate valve; corrosion was galvanic (brass touching bronze); problem will be studied.
BAUCHM, T L Virginia Electric & Power Co 78/10/03 3pp 94032 242

7810110127 Forwards LER#78-028/03L-0
STALLINGS, C M Virginia Electric & Power Co 78/10/06 1p 94068 266

--7810110132 LER#78-028/03L-0 on 780916 snubber not meeting inspec criteria caused by low oil level due to leakage at mating surface between body & end plate Holding bolts were tightened & snubber was refilled
BAUCHM, T L Virginia Electric & Power Co 78/10/05 2pp 94068 267

7810200110 Forwards LER#78-029/03L-0
STALLINGS, C M Virginia Electric & Power Co 78/10/17 1p 94164 002

--7810200110 LER#78-029/03L-0 on 780927 failure of Channel II Pressure (Protect) IP-456 failed high due to failure of oscillator amplifier module of the transmitter Amplifier replaced, tested & Channel II was returned to svc
BAUCHM, T L Virginia Electric & Power Co 78/10/17 2pp 94164 003

7811090177 Forwards LER#78-030/03L-0, #78-031/03L-0, #78-032/03L-0, #78-033/03L-0
STALLINGS, C M Virginia Electric & Power Co 78/11/06 1p 94038 184

--7811090210 LER#78-030/03L-0 on 781009 w/unit at rated pwr. Charging Component Cooling Water Pump #8 tripped Pump tripped on overcurrent Caused by corrosion damage to motor bearings Pump & motor rebuilt & reinstalled
BAUCHM, T L Virginia Electric & Power Co 78/11/09 2pp 94038 185

--7811090213 LER#78-031/03L-0 on 781011 Channel I Pressurizer Level (Protect), L-1-499, drifted high Event caused by drift of electronic zero adjustment in conjunction w/leakage thru transmitter's bypass/equalizing valve Valve tightened
BAUCHM, T L Virginia Electric & Power Co 78/11/06 2pp 94038 107

--7811090217 LER#78-032/03L-0 on 781011 heat tracing circuit faults occurred as a result of boric acid incursion Faults repaired & circuit current verified
BAUCHM, T L Virginia Electric & Power Co 78/11/06 3pp 94038 189

--7811090219 LER#78-033/03L-0 on 781013 heat tracing circuit failure Caused by old boric acid buildup & penetration of heat leakage
BAUCHM, T L Virginia Electric & Power Co 78/11/06 2pp 94038 192

7811170183 Forwards LER#78-034/01T-0.
STALLINGS, C M Virginia Electric & Power Co 78/11/14 1p 94136 048

--7811170185 LER#78-034/01T-0 on 781101 during routine inspec on 781101 it was noted that 17 spare process piping containment penetrations on Unit 1 & 23 on Unit 2 were not capped, but inside ends sealed in Auxiliary Rldg. due to constr error
BAUCHM, T L Virginia Electric & Power Co 78/11/14 2pp 94136 049

7811280236 Forwards LER#78-035/01T-0.
STALLINGS, C M Virginia Electric & Power Co 78/11/21 1p 94012 156

--7811280238 LER#78-035/01T-0 on 781109 study of calibr techniques that B1 Accumulators indicated level would be lower than actual level Discovered after rigorous review of factors affecting instru
BAUCHM, T L Virginia Electric & Power Co 78/11/20 3pp 94012 157

7812040230 Forwards LER#78-040/03L-0
STALLINGS, C M Virginia Electric & Power Co 78/11/29 1p 94325 207

--7812040233 LER#78-040/03L-0 on 781031 periodic test to inspec EDG during a refueling outage had not been completed for EDG's 1 & 3 Caused by admin error Admin guidelines have been rev
BAUCHM, T L Virginia Electric & Power Co 78/11/29 2pp 94325 208

7812050208 Forwards LER#78-036/03L-0, #78-037/03L-0 & #78-038/03L-0.
STALLINGS, C M Virginia Electric & Power Co 78/11/30 1p 94331 209

--7812050209 LER#78-036/03L-0 on 781107: Failure of heat tracing circuit 240. Unit #1, due to boric acid damage Heat tracing tape replaced
BAUCOM, T. L. Virginia Electric & Power Co 78/11/29. 2pp.
94331:210

--7812050211 LER#78-037/03L-0 on 781107 procedure deviation found re Filling & venting Reactor Coolant Sys on 770103. Procedure deviation was misrouted to records vault w/o review by ENSOC. Deviation has now been submitted to ENSOC for review
BAUCOM, T. L. Virginia Electric & Power Co. 78/11/29. 2pp.
94331:212

--7812050214 LER#78-038/03L-0 on 781108: quarterly calibr of Nuc Pur Range Instr not performed due to sched error Reactor pur reduced as required & calibr completed IAW existing procedures.
BAUCOM, T. L. Virginia Electric & Power Co 78/11/29. 2pp.
94331:214.

7812140125 Forwards LER#78-039/03L-0, #78-041/03L-0 & #78-042/03L-0.
STALLINGS, C. M. Virginia Electric & Power Co 78/12/12 1p.
94127:001.

--7812140126 LER#78-039/03L-0 on 781115: during normal oper. Channel 1 of Pressurizer Level Instrumentation LI-1-459, drifted low. Cause unknown at this time. Transmitter recalibr
BAUCOM, T. L. Virginia Electric & Power Co 78/12/11 2pp
94127:002

--7812140129 LER#78-041/03L-0 on 781121: snubber 1-WAPD-HSB-141B observed w/zero fluid level in reservoir Caused by leakage thru faulty reservoir seals.
BAUCOM, T. L. Virginia Electric & Power Co 78/12/11. 2pp.
94127:004.

--7812140131 LER#78-042/03L-0 on 781117: during normal pur oper. manual valves 1-BD-B.1B & 2B closed in attempt to stop leak in ave water line, resulting in termination of flow thru blowdown radiat monitors Caused by operator error.
BAUCOM, T. L. Virginia Electric & Power Co. 78/12/11. 2pp.
94127:006.

7812200204 Forwards LER #78-034/01X-1
STALLINGS, C. M. Virginia Electric & Power Co. 78/12/13 1p.
94162:274.

--7812200207 LER #78-034/01X-1 on 781101: noted that 17 spare process piping penetrations on Unit #1 & 23 on Unit #2 were not capped in Auxiliary Bldg. Caused by failure to properly complete capping at end of constr.
BAUCOM, T. L. Virginia Electric & Power Co. 78/12/13. 3pp.
94162:275.

7812270290 Forwards LER#78-022/03X-1.
STALLINGS, C. M. Virginia Electric & Power Co 78/12/20. 1p.
94229:341.

--7812270294 LER#78-022/03X-1 on 780726: Hydro Test Pump failed to build up pressure during attempt to fill Safety Injection Accumulators due to lifting of its relief valve. Valve replaced & checked. Accumulator refilled.
BAUCOM, T. L. Virginia Electric & Power Co. 78/12/18. 2pp.
94229:342.

7812270320 Forwards LER#78-044/03L-0.
STALLINGS, C. M. Virginia Electric & Power Co 78/12/20. 1p.
94230:360.

--7812270324 LER#78-044/03L-0 on 781204: during normal full pur oper. loss of flow was detected in charging pump intermediate seal cooler 1-SW-E-1B. Caused by failure of cooler intake gate valve becoming corroded.
BAUCOM, T. L. Virginia Electric & Power Co 78/12/18. 2pp.
94230:361.

T. Hearing transcripts on non-antitrust matters

7811100051 Transcript of 781028 subcomm meeting in Washington, DC re subj facil steam generator repair prog & whether ACRS should review the prog.
CARBON, M., MOELLER, D., ETHERINGTON, H. ACRS - Advisory Committee on Reactor Safeguards. 78/10/28. 191pp. 94175:245.

DOCKET 50-281: SURRY POWER STATION, UNIT 2

E. NRC Safety Evaluation Report (SER), supp'l & correspondence

7812140180 "NRC draft SER re Surry steam generator repair program use by ACRS Surry Subcommittee at 781028 meeting."
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/42pp

7812280284 Forwards Safety Eval by NRR dtd 781215
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/12/2pp 94083:033

--7812280291 Safety Evaluation Rept supporting Steam Generator Repair prog of subj facil, concluding that health & safety of pub will not be endangered by the proposed steam generator repair prog.
Office of Nuclear Reactor Regulation, Director 78/12/15 39pp 94083:055

F. Security, medical, emergency & fire protection plans

7812120157 Forwards reproductions of articles that appeared in June & Aug 1978 editions of Nuclear Security Safeguards Newsletter KENNA, W. B. Division 2, Atlanta, Safeguards Branch. 78/11/17. 4p. 94276:329.

7810300022 Forwards "Chapter 10-Special Security Measures During Oper" which is to be incorp as part of mod amended security plan for subj facil; Document available in Central Files only
STALLINGS, C. M. Virginia Electric & Power Co. 78/10/25. 1p. 94031:052

G. Adjudicatory correspondence

7810110043 Amend 44 to Facil Oper Lic DPR-37 revising Tech Specs changing date of next inspect of steam generator tubes.
STELLO, V. Division of Operating Reactors. 78/10/03. 3pp. 94063:186.

M. Antitrust correspondence

7810310060 Ack receipt of addl antitrust info on Old Dominion Electric Cooperative, transmitted by owner of subj facil.
PARR, D. D. Light Water Reactors Branch 3. 78/10/23. 7pp.

O. Advisory Committee on Reactor Safeguards reports & correspondence

7812060389 Notice of ACRS Subcommittee on Surry Power Plant 781028 open meeting at 8:30 am to discuss steam generator repair program
HOYLE, J. C. Office of the Secretary of the Commission 78/10/12pp. 94382:342

7812200296 Forwards 781214 memo containing info on condenser tube requested by ACRS during 223d ACRS meeting.
CROCKER, L. P. Division of Project Management. 78/12/15. 1p. 94205:348.

--7812200307 Forwards list of condenser mat'l for operating PWR's requested by ACRS.
NOONAN, V. B. Engineering Branch (Pre 791030). 78/12/14. 4pp 94205:349.

P. Operating license stage documents & correspondence

7811170082 Forwards rev page T80.4-7a of Tech Spec amend#44 & 43 transmitted in 780927 ltr. Due to administrative error, an incorrect copy of page was sent.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/3pp. 02766:281.

7812110063 Responds to 780922 ltr requesting comments on Tech Spec changes to Sec 4.4 Containment tests. Disapproves proposal that air locks be tested at 4 mo intervals w/o intermediate test should air locks be opened during such interval.
STELLO, V. Division of Operating Reactors. 78/11/29. 4pp. 94338:179.

7812110087 Responds to 780726 request for exemption from 10CFR21. amend to 10CFR21 dtd 781019 might eliminate need for such exemption. W/enc1 FR notice of amend to 10CFR21.
DENTON, H. R. Office of Nuclear Reactor Regulation, Director. 78/11/30. 4pp. 94338:305.

7812120054 Responds to 781103 ltr providing addl info re low head safety injection pumps, outside plans for inspec & test & sched for providing addl info.
EISENHUT, D. Q. Assistant Director for Systems Engineering (Pre 791030) 78/12/01. 3pp. 94278:076

7812120039 Ack receipt of 780919 rept VEP-FRD-23, "Reactor Core Thermal Hydraulic Analysis Model Using LYNX 1 & LYNX 2 Computer Codes." Requests submittal of references 9 & 12, which are omitted.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625) 78/12/04 2pp. 94278:096

7810230154 Order amending Facil Operating Lic#DPR-32 & DPR-37 Rev 770824 Order for Mod of Lic.
STELLIO, V. Division of Operating Reactors. 78/06/29 4pp. 94194:351.

7810250232 Supplements 780817 response to IE Bulletin#78-01, "Bergen-Paterson Hydraulic Snubbers". Corrects typographical error
STALLINGS, C. M. Virginia Electric & Power Co. 78/08/30. 1p. 94372:223

7810110041 Forwards Amend 44 to License DPR-37, safety evaluation & notice of issuance & availability.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625) 78/10/03. 2pp. 94063:184.

--7810110044 Notice of issuance of Amend#44 to Facil Oper Lic#DPR-37
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625) 78/10/03. 3pp. 94063:189.

--7810110048 Safety evaluation supporting Amend 44 to License DPR-37. Plant may be operated for another six months & then shut down so steam generators can be reprobod to assess extent of tube denting.
* Office of Nuclear Reactor Regulation, Director 78/10/03 5pp. 94063:192.

7810160139 Responds to NRC ltr of 780913 & states plans to comply with conditions of recently issued Exemption & Order for Mod of Lic for subj facil by Jan 1979. Also plans to submit sufficient analysis plus Tech Spec changes in compliance
STALLINGS, C. M. Virginia Electric & Power Co. 78/10/11. 1p. 94009:311.

7810160198 Forwards amend to Oper Lic for subj facil's proposed Tech Spec Change No. 72. Amend is in response to Schwencer's 780828 ltr requesting dev of Tech Specs to ensure operability of the overpressure protec sys.
STALLINGS, C. M. Virginia Electric & Power Co. 78/10/12. 14pp. 94032:355.

7810250213 Ack receipt of ltr dtd 780929 stating intention to perform environ qual test. Test prog found acceptable except for acceptance criterion "short term for safety sys initiation following accident."
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625) 78/10/12. 3pp. 94370:038.

7810180119 Forwards "Subj Facil Cycle 5 Startup Physics Test Rept".
THOMAS, W. N. Virginia Electric & Power Co. 78/10/13. 1p. 94368:358.

--7810180121 "Subj Facil Cycle 5 Startup Physics Test Rept".
MUNSTIG, T. J., LEIBERSTEIN, J. H. Virginia Electric & Power Co. 78/09/30. 78pp. 94368:212.

7810270380 Based on clarification of environ testing on Continental cable contained in 780929 ltr testing prog is now acceptable.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625) 78/10/18. 2pp. 94030:162.

7810300331 Ack receipt of 780726 ltr re inspec & maint of outside recirculation spray pumps & low head safety injection pump. Does not agree that condition of pumps after 50 hours of oper is a sufficient test to assure long term oper.
EISENHUT, D. Q. Assistant Director for Systems Engineering (Pre 791030) 78/10/19. 3pp. 94253:348.

7810270174 Forwards copies of "Steam Generator Repair Prog" for subj facil. Rev contains supplemental info requested by staff.
STALLINGS, C. M. Virginia Electric & Power Co. 78/10/25. 2pp. 94036:288.

--7810270223 "Steam Generator Repair Prog" for subj facil. Rev contains supplemental info requested by NRC Staff.
* Virginia Electric & Power Co. 78/10/25. 9pp. 94056:290.

781060060 Forwards draft safety evaluation re steam generator prog (AND 7812140180), & copy of "Radiological Assessment of Steam Generator Removal & Replacement (AND 7812140185).
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625) 78/10/27 1p. 94423:328

781070130 Forwards new sched for submission of radiological effluent Tech Specs as requested in 780710 ltr by B D Vassallo. Delay has been caused by changes in Model Tech Spec & NUREG 0133
STALLINGS, C. M. Virginia Electric & Power Co. 78/11/03. 1p. 94038:355

781070190 Responds to 781019 ltr on 186 pumps, OR6 pumps & LH51 pumps. States respective pumps will perform satisfactorily under accident conditions & encls design info & inspec & test results.
STALLINGS, C. M. Virginia Electric & Power Co. 78/11/03. 4pp. 94036:351.

7811290152 Forwards Amend#45 & #45 to Facil Oper Lic#DPR-32 & #DPR-37 rev Tech Specs requested in 770516 appl w/Environ Impact Appraisal & Notice of Issuance/Negative Declaration
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625) 78/11/06. 3pp. 94240:001.

--7811290166 Amend#45 to Facil Oper Lic#DPR-32 rev Tech Spec re deleting biological monitoring prog except for low-intensity fish sampling prog.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625) 78/11/06. 2pp. 94240:004.

--7811290168 Amend#45 to Facil Oper Lic#DPR-37 rev Tech Spec to reduce prog for temp, salinity & impingement monitoring w/Tech Specs encl.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625) 78/11/06 2pp. 94240:006

--7811290172 Environ Impact Appraisal supporting Amend#45 & #45 to Facil Oper Lic#DPR-32 & #DPR-37--concluding that there will be no environ impact from proposed action.
* Operating Reactors Branch 1 (Pre 790625) 78/11/06. 10pp. 94240:017.

--7811290175 Notice of Issuance of Amend #45 & #45 to Facil Oper Lic #DPR-32 & #DPR-37 & Negative Declaration on 781106
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625) 78/11/06 3pp. 94240:027.

7811240021 Notifies util of 781205 seminar in Atlanta to discuss new Model Rad Effluent Tech Specs & encl seminar info sheet, registration form, & proposed agenda.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director 78/11/09. 3pp. 94458:162.

781140128 Forwards Rev B replacement pages to document entitled "Steam Generator Repair Prog, Surry Pwr Station, Units #1 & #2."
STALLINGS, C. M. Virginia Electric & Power Co. 78/11/10. 5pp. 94425:233.

7811300057 Forwards NRC staff paper, Policy Session Item(EECY-78-554) re licensee reg performance evaluation. Three methods for evaluation are: statistical, trend analysis & regional survey method. W/out encl.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/15. 2pp. 94071:309.

7812150205 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out mail. W/encl Registration Form & List of Locations
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 5pp.

7812180288 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pwr Plants" (NUREG-0133).
GRIMES, B. K. Assistant Director for Engineers & Projects (Pre 790625) 78/11/15. 6pp. 94365:136.

7811300036 Informs VEPC that NRC has contracted w/Mountain West Res Inc to undertake a series of post-licensing studies of nuc pwr stations. Studies will analyze socioecon impacts which occurred during constr & post-constr periods of each plant.
DEYOUNG, R. C. Division of Site Safety & Environmental Analysis. 78/11/20. 2pp. 94070:353.

7811280247 Forwards title page of "Steam Generator Repair Prog" for subj facil, which was forwarded on 780817. Page had been inadvertently omitted.
STALLINGS, C. M. Virginia Electric & Power Co. 78/11/22. 2pp. 94012:16.

7811300222 Forwards responses to NRC questions re permanent solution of low head safety injection & spray pump not positive suction head problems in response to 780131 NRC ltr requesting addl info
STALLINGS, C. M. Virginia Electric & Power Co. 78/11/22 3pp
94070.075

7812150099 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing w/entl. AND
7812080207
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790623) 78/11/28.
bpps 94210.099

7812200169 Notifies NRC that for 30 min on 781118, condenser cooling water outlet temp decreased by 3.5 degrees F with both units at steady state. Cooling water through condensers was increased & temp dropped 3.5 degrees F. No detriment to bpts was found.
STALLINGS, C. M. Virginia Electric & Power Co. 78/11/29 1p.
94157.357.

7812180433 Requests registration as user of CNSI-LL-57-63, CNSI-LL-50-100, CNSI-14-195H, CNSI-LL-28-A, CNSI-4-45, CNSI-AL-33-90, & CNSI-8C-4B-220
STALLINGS, C. M. Virginia Electric & Power Co. 78/12/04 1p
94357.029

7812280131 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. D. Office of Inspection & Enforcement, Office of the Director. 78/12/06 2pp. 94310.283

7812220006 Forwards repts on subj. Facil. net positive section head (NPSH) concerns on containment recirculation spray pumps & low head safety injection pumps. Requests an eval by 790101 of the repts re adequacy of available NPSH for subj. pumps.
BUCKLEY, B. C. Plant Systems Branch (Pre 791030) 78/12/11. 2pp.
94248.283

7812190079 Forwards proposed Tech Spec to replace those submitted 781012. Proposed changes set reactor coolant sys temp limit of 350 degrees below which the sys must be enabled. Less dependence is put on operator surveillance.
STALLINGS, C. M. Virginia Electric & Power Co. 78/12/14. 10pp.
94342.357.

7812190088 Responds to 781201 ltr re low head safety injection pumps & outside & inside recirculation spray pumps. Will forward conclusions re extension of interval between IRS pump tests following inspec.
STALLINGS, C. M. Virginia Electric & Power Co. 78/12/15 2pp
94343.027

7812190090 Forwards proposed changes in form of an amend. to Tech Specs of Oper Lics DPR-32 & DPR-37. Request does not involve any unreviewed safety question. Check for payment of amend fees encl.
STALLINGS, C. M. Virginia Electric & Power Co. 78/12/15. 19pp.
94341.001

7812190148 Forwards results of environ qual testing on the Continental Instrument Cable in use at subj. Facil. Cable performance was w/in acceptance criteria for both the simulated loss of coolant & steam break accident conditions.
STALLINGS, C. M. Virginia Electric & Power Co. 78/12/15. 1p.
94340.079

--7812190149 Environ testing of instr cable was conducted to conform w/requirements established by subj. util. Cable subjected to thermal aging & radiat exposure prior to test simulating LOCA & MSLB accident conditions. Cables function as intended.
* Virginia Electric & Power Co. 78/11/29. 64pp. 94340.080.

7812220032 Forwards suppl repts on subj. facil. containment recirculation spray pumps & low head safety injection pumps. Requests assistance in reviewing & providing a safety eval of mass & energy release data submitted in early Jan 1979.
STELLG, V. Division of Operating Reactors. 78/12/16. 2pp.
94248.360

7812280132 Requests an amend to Oper Lic in form of changes to Tech Specs re Emergency Core Cooling Sys & Loss of Coolant Accident. Forwards check # for \$4,400.
STALLINGS, C. M. Virginia Electric & Power Co. 78/12/26. 55pp.
94310.285.

0 Inspection reports, IE Bulletins & correspondence

7812010261 Forwards results of staff measurements of radioactive matl in an NRC phantom on the whole body counter taken during inspec on 780911
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/20 5pp. 94417.143

7812080010 IE Insp Repts 50-280/78-25 & #50-281/78-25 on 780918-22. No items of noncompliance were noted. Major areas inspected: radiological environ monitoring program incl. mgmt control & implementation of monitoring program.
PERRY, W. W., MACARTHUR, T. C., HUFHAM, J. W. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/03 4pp. 94109.071

781210222 Forwards IE Insp Repts #50-280/78-27 & 50-281/78-27 on 780925-29 during which no items of noncompliance were noted.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/02. 2pp. 94338.013

--781210223 IE Insp Repts #50-280/78-27 & 50-281/78-27 on 780925-29 during which no items of noncompliance were noted. Major areas inspected incl. previous items: reactor coolant chem control, solid radioactive control, & gaseous effluents.
QIBSDN, A. F., EHARD, S. C., JACKSON, L. L. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/02 13pp. 94338.015

7812140156 IE Insp Repts #50-280/78-29 & 50-281/78-29 on 781002-06 during which no items of noncompliance were noted. Major areas inspected incl. procedures, LER follow-up & action on previous inspec findings.
DUZTB, J. E., KELLOO, P. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/03. 5pp. 94478.352

7812290040 Forwards IE Bulletin 78-14
D'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/12/19 2pp. 94189.336

7811010414 Ack receipt of 771207 ltr informing NRC of steps taken to correct violations noted during inspec #50-280/77-30 & #50-281/77-30.
LONG, F. J. Region 2, Atlanta, Office of the Director. 77/12/16 1p
94388.342

--7811010415 Responds to 771114 NRC ltr re violation noted in Inspect Rept #50-280/77-30 & #50-281/77-30.
STALLINGS, C. M. Virginia Electric & Power Co. 77/12/07. 1p
94388.343.

--7811010423 Forwards IE Insp Rept #50-280/77-30 & #50-281/77-30 on 771004-07 & Notice of Violation. Notice of Violation is w/hold from disclosure per 10CFR2.790.
LONG, F. J. Region 2, Atlanta, Office of the Director. 77/11/14 2pp. 94388.344.

--7811010428 IE Insp Repts #50-280/77-30 & #50-281/77-30 on 771004-07 during which 1 item of noncompliance was noted: improper security badging. Details w/hold from disclosure per 10CFR2.790.
ROPER, R. F., WHITENER, H. L. Region 2, Atlanta, Office of the Director. 77/11/09. 8pp.

7812250139 Forwards IE Insp Repts #50-280/78-19 & #50-281/78-19 on 780832-04 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/14. 2pp.

--7812050140 IE Insp Repts #50-280/78-19 & #50-281/78-19 on 780832-04 during which no items of noncompliance were noted. Major areas inspected included: quality assurance records, procurement & follow-up to LER.
SKOLDS, J. L. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/14. 6pp.

7810310048 Forwards IE Insp Repts #50-280/78-20 & 50-281/78-20 on 780811 during which no items of noncompliance were noted.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/21. 2pp. 94094.119.

--7810310054 IE Insp Repts #50-280/78-20 & #50-281/78-20 on 780811 during which no items of noncompliance were noted. Major areas inspected included: whole body counting practices & procedures; test count on NRC phantom on whole body counter.
QIBSDN, A. F. Region 2, Atlanta, Office of the Director. 78/09/21. 4pp. 94094.121.

7812060015 Forwards IE Insp Repts #50-280/78-23 & #50-281/78-23 on 780905-08 during which no items of noncompliance were noted. Inspect Rept w/hold from pub disclosure pursuant to 2.790.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/10/13. 9pp.
94410.053.

7812060298 Forwards IE Inspec Repts#50-280/78-24 & 50-281/78-24 on 780912-15 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/23. 2pp. 94371:328

--7812060262 IE Inspec Repts#50-280/78-24 & 50-281/78-24 on 780912-15 during which no items of noncompliance were noted. Major areas inspected incl: plant oper. lic event repts, safety injection sys features & IE Circular Followup
BURKE, D. J., SKOLDS, J. L., LEWIS, R. C. Region 2, Atlanta, Office of the Director. 78/10/23. 7pp. 94371:330

7812080006 Forwards IE Inspec Repts#50-280/78-25 & 50-281/78-25 on 780918-22 during which no items of noncompliance were noted.
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/03. 2pp. 94109:069

7811150110 Forwards IE Circular 78-18.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/06. 1p.

7811200335 Forwards IE Inspec Repts#50-280/78-26 & 50-281/78-26 on 780924-29 & Notice of Violation which is withheld from public disclosure.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/07. 2pp. 94419:332

7812140151 Forwards IE Inspec Repts#50-280/78-29 & 50-281/78-29 on 781002-06 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/07. 2pp. 94478:350

7811130237 Ack receipt of 781026 ltr informing NRC of steps taken to correct violations noted during Inspec#50-280/78-22 & 50-281/78-22.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/08. 1p. 03554:318

--7811130238 Responds to 781003 NRC ltr re violations noted in Inspec Repts#50-280/78-22 & 50-281/78-22. Corrective actions: special equal training course re startup procedures & theory, emphasis on BRD & RO retraining.
STALLINGS, C. M. Virginia Electric & Power Co. 78/10/26. 3pp. 03554:319

--7811130239 Forwards IE Inspec Repts#50-280/78-22 & 50-281/78-22 on 780821-24 & Notice of Violation.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/03. 2pp. 03554:322

--7811130240 Notice of Violation from Inspec on 780821-24.
Region 2, Atlanta, Office of the Director. 78/10/03. 1p. 03554:324

--7811130241 IE Inspec Repts#50-280/78-22 & 50-281/78-22 on 780821-24 during which 2 items of noncompliance were noted: failure to follow procedures paragraphs & deficiency LER's not submitted to NRC w/in req time.
BURKE, D. J., BRADFORD, W. H., BUZY, J. J. Region 2, Atlanta, Office of the Director. 78/10/03. 11pp. 03554:325

7811200127 Ack receipt of 781018 ltr informing NRC of steps taken to correct violations noted during Inspec#50-280/78-21. No violations noted during Inspec#50-281/78-21.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/08. 1p. 94220:347

--7811200133 Responds to 780927 NRC ltr re violation noted in Inspec Rept#50-280/78-21. Corrective actions: procedures mod to include specific guidance on High Flux Trip Setpoint Reduction.
STALLINGS, C. M. Virginia Electric & Power Co. 78/10/18. 2pp. 94220:348

--7811200140 Forwards IE Inspec Repts#50-280/78-21 & 50-281/78-21 on 780815-18 & Notice of Violation re 50-280/78-21.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/27. 2pp. 94220:350

--7811200210 Notice of Violation from Inspec on 780815-18.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/27. 1p. 94220:352

--7811200214 IE Inspec Repts#50-280/78-21, 50-281/78-21 on 780815-18 during which 1 item of noncompliance was noted: trip sys setting was higher than the limiting safety sys setting.
BURNETT, P. T., MARTIN, R. D. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/26. 5pp. 94220:353

781210108 Forwards IE Inspec Repts#50-280/78-30 & 50-281/78-30 on 781010-13 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/13. 2pp. 94269:276

--7812210113 IE Inspec Repts#50-280/78-30 & 50-281/78-30 on 781010-13 during which no items of noncompliance were noted. Major areas inspected incl: plant oper. plant cleanliness control, IE Bulletins & Circulars & Followup on LER's
BURKE, D. J., LEWIS, R. C. Region 2, Atlanta, Office of the Director. 78/11/13. 6pp. 94269:278

7812290082 Forwards IE Inspec Repts#50-280/78-28 & 50-281/78-28 on 781002-06 during which no items of noncompliance were noted.
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/17. 2pp. 94190:089

7812040320 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
W/enc1 AND 7811300055
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/24. 1p. 94181:341

7812130381 Responds to IE Bulletin#78-12 re reactor pressure vessel weld met. Will give NRC sched of info availability as soon as arrangements w/vendor are finalized.
STALLINGS, C. M. Virginia Electric & Power Co. 78/11/28. 1p. 94292:217

7812180352 Ack receipt of 781201 ltr informing NRC of steps taken to correct violations noted during Inspec#50-280/78-26 & 50-281/78-26.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/12/11. 1p. 94336:062

--7812180358 Responds to 781107 NRC ltr re violations noted in Inspec Repts#50-280/78-26 & 50-281/78-26. Corrective actions withheld from pub disclosure pursuant to 2.790.
STALLINGS, C. M. Virginia Electric & Power Co. 78/11/28. 1p. 94336:063

R. Periodic operating reports & related correspondence

7811170192 Monthly Oper Rept for Oct 1978.
STEWART, D. L. Virginia Electric & Power Co. 78/10/31. 43pp.

7810230184 Forwards Monthly Oper Rept for Sept 1978.
STALLINGS, C. M. Virginia Electric & Power Co. 78/10/13. 1p. 94170:193

--7810230187 Monthly Oper Rept for Sept 1978.
STEWART, D. L. Virginia Electric & Power Co. 78/10/13. 44pp. 94170:194

7811200194 Forwards Monthly Oper Rept for Oct 1978.
STALLINGS, C. M. Virginia Electric & Power Co. 78/11/19. 1p. 94233:001

--7811200198 Monthly Oper Rept for Oct 1978.
STEWART, D. L. Virginia Electric & Power Co. 78/11/14. 43pp. 94233:002

7812200262 Monthly Oper Rept for Nov 1978.
KANE, G. Virginia Electric & Power Co. 78/12/01. 38pp. 94206:262

7812200260 Forwards Monthly Oper Rept for Nov 1978.
STALLINGS, C. M. Virginia Electric & Power Co. 78/12/12. 1p. 94206:261

S. Reportable occurrences, LERs & related correspondence

7811170183 Forwards LER#78-034/O1T-0.
STALLINGS, C. M. Virginia Electric & Power Co. 78/11/14. 1p. 94136:048

--7811170185 LER#78-034/O1T-0 on 781101: during routine Inspec on 781021 it was noted that 17 spare process piping containment penetrations on Unit 1 & 23 on Unit 2 were not capped, but inside ends sealed in Auxiliary Bldg. due to constr error.
BAUCOM, T. L. Virginia Electric & Power Co. 78/11/14. 2pp. 94136:049

7810100057 Forwards LER#78-011/O3X-1.
STALLINGS, C. M. Virginia Electric & Power Co. 78/10/03. 1p. 94033:094

--7810400065 LER#78-011/03L-1 on 780305 During normal full power oper. there was no svc water flow thru charging pump intermediate seal cooler 2-SW-E-1B, due to failure of the cooler's discharge gate valve
* Virginia Electric & Power Co 78/10/03 3pp 94033 095

7810230257 Forwards LER#78-032/03L-0
STALLINGS, C M. Virginia Electric & Power Co 78/10/12 1p 94181 351.

--7810230262 LER#78-032/03L-0 on 780921 heat tracing circuit manual boration/boric acid-to-blender failed Failure caused by boric acid penetration of the heat tracing tape circuits Heat tracing tape replaced
BAUCOM, T L Virginia Electric & Power Co 78/10/12 3pp. 94181 352

7810200109 Forwards LER#78-033/03L-0
STALLINGS, C M. Virginia Electric & Power Co 78/10/17 1p 94401 217

--7810200112 LER#78-033/03L-0 on 780926 Circulating water outlet valve MOV-CW-2000 failed to close when operated elec Actuator cam for "shut" torque switch became wedged against a torque switch Switch mod by hold down screw locking hardware
BAUCOM, T L Virginia Electric & Power Co 78/10/17 2pp. 94401 218.

7811060211 Forwards LER#78-034/03L-0 & #78-035/03L-0
STALLINGS, C M Virginia Electric & Power Co 78/11/01 1p. 94489 229

--7811060213 LER#78-034/03L-0 on 781006 w/unit at cold shutdown, snubbers 2-RH-HSB-20 & 2-WFPD-HSB-9 found inoper due to low fluid level. Defective snubbers were dry because of leaking rod seals. Leak due to mech damage to seal. Snubbers replaced
BAUCOM, T L Virginia Electric & Power Co. 78/10/31 2pp. 94489 230

--7811060217 LER#78-035/03L-0 on 781007: during cold shutdown, valve pit was flooded while draining circulating water box D Motor oper valve damaged by flood & could not accept vol of water being pumped from water box D.
BAUCOM, T L. Virginia Electric & Power Co. 78/10/31 2pp 94489 232

7811090236 Forwards LER#78-036/03L-0
STALLINGS, C M Virginia Electric & Power Co. 78/11/06 1p. 94042 083

--7811090240 LER#78-036/03L-0 on 781015 compensatory surveillance on RCP "c" atator & hearing temp had not been performed Caused by failure of operating personnel to restore process computer trend block following computer reinitialization.
BAUCOM, T. L. Virginia Electric & Power Co. 78/11/03 2pp. 94042 084.

7811210299 Forwards LER#78-037/03L-0.
STALLINGS, C M. Virginia Electric & Power Co. 78/11/14 1p. 03957: 019

--7811210265 LER#78-037/03L-0 on 781022 with unit at rated power, panel indicator for Radiat Monitor RM-213 monitoring "A" steam generator blowdown read "0". Caused by loose connector joining detector cable to electronic chassis
BAUCOM, T. L. Virginia Electric & Power Co. 78/11/14 1p 03957: 020.

7811280286 Forwards LER#78-038/03L-0
STALLINGS, C M Virginia Electric & Power Co. 78/11/20 1p. 94395: 241.

--7811280292 LER#78-038/03L-0 on 781030, boric acid flow from boric acid tanks to blender was interrupted due to crystallized boron blockage at elbow in line 1"-CH-356-152 Obstruction was removed & pipe flow returned to normal.
BAUCOM, T L Virginia Electric & Power Co. 78/11/17 2pp. 94395: 242.

7812140224 Forwards LER#78-039/03L-0 & #78-040/03L-0
STALLINGS, C M Virginia Electric & Power Co. 78/12/12 1p. 94204: 341.

--7812140229 LER#78-039/03L-0 on 781115: during normal oper. it was noted that "B" loop hot leg temp sensing element 71-2-422A was dripping low. Caused by packing leak which reduced resistance of the sensing element.
BAUCOM, T. L. Virginia Electric & Power Co. 78/12/11 2pp. 94204: 342.

--7812140234 LER#78-040/03L-0 on 781116 routine testing revealed failure of heat tracing circuit 4C Unit#2 Boron Injection Tank Top recirculation return Caused by boric acid damage to the heat tracing circuit
BAUCOM, T L Virginia Electric & Power Co 78/12/11 2pp 94204 343

7812200204 Forwards LER #78-034/01X-1
STALLINGS, C M Virginia Electric & Power Co. 78/12/13 1p 94162 274.

--7812200207 LER #78-034/01X-1 on 781101 noted that 17 spare process piping penetrations on Unit #1 & 23 on Unit #2 were not capped in Auxiliary Bldg Caused by failure to properly complete capping at end of constr.
BAUCOM, T L Virginia Electric & Power Co. 78/12/13 3pp. 94162: 275

7812270270 Forwards LER#78-041/03L-0.
STALLINGS, C M Virginia Electric & Power Co 78/12/20 1p. 94232: 039.

--7812270281 LER#78-041/03L on 781201 failure of heat tracing circuit 3A (panel 10) Unit#2 Blender to charging pump suction due to water damage of Heat Tracing Circuit Heat tracing tape replaced.
BAUCOM, T L Virginia Electric & Power Co. 78/12/18 2pp. 94232: 040.

T. Hearing transcripts on non-antitrust matters

7811100051 Transcript of 781028 subcomm meeting in Washington, DC re subj facil steam generator repair prog & whether ACRB should review the prog.
CARSON, M., MCCELLER, D., ETHERINGTON, H ACRB - Advisory Committee on Reactor Safeguards. 78/10/28 191pp. 94175 245.

DOCKET 50-282 PRAIRIE ISLAND NUCLEAR STATION, UNIT 1

F. Security, medical, emergency & fire protection plans

7811140143 Forwards responses to 780913 & 19 NRC ltr re addl info on fire protec prog equip.
MAYER, L D Northern States Power Co. 78/11/08 16pp. 94383 230.

7811290076 Summarizes progress of Fire Protec Review w/encl request for addl info, staff positions, & evals. Requests meeting w/licenses 1 week after receipt of responses to latest staff positions.
LAINE, S O Plant Systems Branch (Pre 791030). 78/11/16 27pp. 94192 182

7811290365 Requests addl info re fire protec prog & forwards NRC staff proposal & recommendations. Areas needing info include: equip req for achieving hot shutdown & fire brigade training.
SCHMENCER, A Operating Reactors Branch 1 (Pre 790623). 78/11/21 28pp. 94180: 001.

I. Financial information

7810300136 Forwards 1977 Annual Rept & schedule showing 1977 actual Cash Flow to comply with Reg Guide 9.4. Net income by dividends declared instead of dividends paid has been reduced to get retained earnings figure.
CARLSON, L R. Northern States Power Co. 78/10/23 2pp. 94034: 143.

P. Operating license stage documents & correspondence

7810170220 Outlines schedules for correction of Zirconium-Water reaction inconsistency & dev of Upper Plenum Injection model & plant specific calculations. Tentative completion date is April 1979.
MAYER, L D. Northern States Power Co. 78/10/12 2pp. 94236 163

7810300100 Notice of 781026 meeting w/ util to discuss bases for reactor coolant Tech spec in 780907 NRC ltr to util.
ORDENAUER, M. Operating Reactors Branch 1 (Pre 790623). 78/10/12 2pp. 94035: 066.

7810300237 Evaluation of Overall Asymmetric LOCA Loads. Notification of decision to discontinue participation in utility task group's activities. Subj util's plan is practical because of relatively recent design of reactor coolant sys piping.
MAYER, L D. Northern States Power Co. 78/10/28 4p. 94034: 034.

limits, and the part length rods.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/01.
18pp. 94049.037.

--781170265 SER for Amend#26 & 32 to sub j facil oper lic. Concludes that Tech Spec changes related to heatup rate, reactor vessel pressure-temp oper limits, & part length rods does not involve a major hazards consideration.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/01.
5pp. 94049.053.

--781170268 Notice of Issuance of Amend#32 & 26 to sub j facil oper lic
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/01.
2pp. 94049.060.

781130338 Confirms upcoming 781116 meeting to discuss NRC's reg prog for protecting pub health & safety. A tentative meeting agenda is enclosed.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/02.
3pp. 94007.305.

781140022 Confirms upcoming 781116 meeting to discuss NRC's reg program for protecting pub health & safety. A tentative meeting agenda is enclosed.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/02.
2pp. 94419.024.

781160191 Confirms telephone plans to meet & discuss pub health & safety protec prog as it relates to sub j facil. Tentative agenda for 781116 meeting encl.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/02.
3pp. 94136.039.

781150115 Requests lic amend no later than 781215 re Deletion of Reactor Trip on Turbine Trip Below 50% pwr & encl requests for Tech Spec changes & safety evaluation supporting changes.
MAYER, L. O. Northern States Power Co. 78/11/03. 34pp. 94113.340.

781150147 Lic Amend request proposing change to reactor trip on turbine trip setpoint. Rev setpoint is justified on basis of NRC approved transient analysis methods employed by Westinghouse Corp.
* License Fee Management Branch. 78/11/03. 1p. 94272.360.

781130157 Notifies applicant of 781128 NRC-sponsored seminar re Model Radiological Effluent Tech Specs for Nuc Pwr Plants. Encl w/Seminar Info Sheet (to be completed & returned by 781117) & Proposed Agenda.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/07.
6pp. 03553.293.

7811210452 Confirms plans for 781116 meeting concerning reg prog for protec of pub health & safety re sub j facil. Tentative agenda encl.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/08.
3pp. 94480.327.

7812010083 Confirms telephone discussion on 781107 re 781116 meeting for local pub officials in vicinity of sub j facil. Forwards tentative agenda.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/08.
3pp. 94417.137.

7811280403 Notice of Proposed Issuance of Amend to Facil Oper Lic #DPR-42 & DPR-60, rev Tech Spec re use of Exxon fuel in Cycles 5 thru 8.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/09.
4pp. 94397.317.

7811290010 Forwards "Notice of Proposed Issuance of Amendments to Facil Oper Lic." in response to 780908 amend appl re refueling of facil w/Exxon Nuc Co Fuel for oper Cycles 5 thru 8 at each unit. W/encl AND: 7811280403.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/09.
2pp. 94179.112.

7812180050 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. W/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 5pp. 94133.070.

7811280279 Request for amend to oper lic#DPR-42 & DPR-60 to change Tech Specs re secondary coolant chemistry monitoring requirements incl safety eval & minimum frequencies for sampling tests. W/check for \$4,400.
MAYER, L. O. Northern States Power Co. 78/11/22. 5pp. 94395.222.

7812150061 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing W/encl AND:
7812080207
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/20.
6pp. 94210.122.

7812060141 Forwards Environ Event Rept 78-11 on Cooling Tower Oper for Nov 1978. Slightly elevated blowdown flow req for 3 days, during month to accomodate cooling sys preventative maint work.
HARD, E. C. Northern States Power Co. 78/12/01. 1p. 94372.251.

7812280017 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. O. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94131.034.

7812130215 Requests util help w/vital area analysis re sub j facil. Informs of site visit on 790109-11 by Los Alamos Brien Lab representatives.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/12/08.
2pp. 94306.083.

7812190154 Summary of 781026 meeting to discuss tech specs for secondary water chem, reactor coolant activity & secondary coolant activity.
GROTEHUIJIS, M. Operating Reactors Branch 1 (Pre 790625). 78/12/12.
8pp. 94340.150.

7812290236 Forwards request for addl info re Topical Rept XN-NF-78-30 in order to complete review of reload conditions. Req info should be submitted w/in 45 days.
IPPL, ITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/12/19.
6pp. 94191.232.

G. Inspection reports, IE Bulletins & correspondence

7810110199 Ack receipt of 780918 ltr informing NRC of steps taken to correct violations noted in 780829 NRC ltr.
FIORELLI, J. O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/04. 1p. 94068.356.

7810230338 Forwards IE Circular#78-17. (See AND: 7810230221, Docket 50-313, 781013)
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/10/13.
1p. 94167.041.

7811150054 Forwards IE Circular 78-18.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/06.
1p. 94112.183.

7812200091 Forwards IE Inspec Repts#50-282/78-12 & #50-306/78-13 on 780905-08, 11-14, 20-22 & 25-29 & Notice of Violation
FIORELLI, J. O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/09. 2pp. 94156.335.

--7812200095 Notice of Violation from Inspec on 780905-08, 11-14, 20-22 & 25-29.
* Region 3, Chicago, Office of the Director. 78/11/09. 1p. 94156.337.

--7812200099 IE Inspec Repts#50-282/78-12 & #50-306/78-13 on 780905-08, 11-14, 20-22 & 25-29 during which 1 item of noncompliance was noted: failure to follow an implementing procedure for approved GA prog.
FEIERABEND, C. D., WARNICK, R. F. Region 3, Chicago, Office of the Director. 78/11/06. 5pp. 94156.338.

--7812210034 IE Inspec Repts#50-282/78-14 & #50-306/78-13 on 781016-20 during which 1 item of noncompliance was noted: an employee was not wearing proper protective equipment.
RIDEN, H. D., LITTLE, W. S. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/14 4pp 94268:338

7812050278 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12. W/enc1 A4D:7811300055.
KEPPLER, J. O. Region 3, Chicago, Office of the Director 78/11/24. 1p. 94202:165.

7812210036 Responds to 781109 NRC ltr re violations noted in Inspec Repts#50-282/78-12 & #50-306/78-13 Corrective actions: Design Charge Index Form(A)PINQPM340 rev to incl date of completion of installation
WACHTER, L. J. Northern States Power Co. 78/11/30 1p. 94267:362

7812270028 Ack receipt of 781130 ltr informing NRC of steps taken to correct violations noted in 781109 NRC ltr.
FIDORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/12/14 1p. 94159:242.

7812280062 Forwards IE Bulletin 78-14.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/12/19. 1p. 03554:350

R. Periodic operating reports & related correspondence

7810120029 Forwards Monthly Oper Rept for Sept 1978.
MAYER, L. O. Northern States Power Co. 78/10/09. 1p. 94421:174.

--7810120031 Monthly Oper Rept for Sept 1978.
HUNSTAD, A. A. Northern States Power Co. 78/09/30. 4pp. 94421:175.

--7810120033 Monthly Oper Rept for Sept 1978
HUNSTAD, A. A. Northern States Power Co. 78/09/30 4pp. 94081:305.

7811140116 Forwards Monthly Oper Rept for Oct 1978.
MAYER, L. O. Northern States Power Co. 78/11/09. 1p. 94425:159

--7811140117 Monthly Oper Rept for Oct 1978.
HUNSTAD, A. A. Northern States Power Co. 78/11/01. 8pp. 94425:169.

7812120091 Forwards Monthly Oper Rept for Nov 1978.
MAYER, L. O. Northern States Power Co. 78/12/08. 1p. 94274:195.

--7812120094 Monthly Oper Rept for Nov 1978
HUNSTAD, A. A. Northern States Power Co. 78/12/01. 8pp. 94274:196.

S Reportable occurrences, LERs & related correspondence

7810180012 Forwards LER#78-018/017-0.
MAYER, L. O. Northern States Power Co. 78/09/26. 1p. 94422:014.

--7810180013 LER#78-018/017-0 on 780912 Lightning strike on transmission line caused breaker 6H5 to open resulting in loss of 2 of the 3 sources of offsite pur Design change in transformer protect relaying is being pursued.
HUNSTAD, A. A. Northern States Power Co. 78/09/26 1p. 94422:015.

7810170224 Environ Event Rept 78-09 re oper of plant circulating water sys in partial recycle mode for Sept. Except for 780921, excess blowdown flow was needed. For the month, average daily blowdown flow rate was about 480 cfs.
WARD, E. C. Northern States Power Co. 78/10/02. 1p. 94236:166.

7811070219 Environ Event Rept 78-10 covering oper of Plant circulating water sys in partial recycle mode w/daily average blowdown flow in excess of 150 cfs.
WARD, E. C. Northern States Power Co. 78/11/01. 1p. 94039:122.

7811070247 Forwards LER#78-020/03L-0.
MAYER, L. O. Northern States Power Co. 78/11/01. 1p. 94039:253.

--7812260209 LER#78-023/03L-0 on 781130 during pur oper & relay test at refueling. Safeguards Bus 16 inadvertently was locked out of svc for about 2 minutes, caused by appl of elec jumper w/o proper review & approval.
HUNSTAD, A. A. Northern States Power Co. 78/12/20 1p. 94160:174

DOCKET 50-284 IDAHO STATE UNIV. RESEARCH REACTOR

F. Operating license stage documents & correspondence

7811080036 Forwards "Notice of Proposed Issuance of Amend to Facil Lic" for AGN-201 res reactor. Amend appl of 780810 requested increase of maximum pur level from 100 MW to 3W.
REID, R. W. Operating Reactors Branch 4 (Pre 790625) 78/10/10 2pp. 94398:106

--7811080038 Notice of Proposed Issuance of Amend to Facil Oper Lic#R-11 on 781010
REID, R. W. Operating Reactors Branch 4 (Pre 790625) 78/10/10 4pp. 94398:108

7811130330 Finds facil Tech Spec not IAW current practice. Requests recipient to Mod AGN-201 TS & resubmit ABAP W/enc1 Tech Spec.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/24. 53pp. 94087:156.

--7811130333 Proposed "Standard for Admin Controls for Res Reactors." * American Nuclear Society. 78/01/31. 16pp. 94087:211.

7812070202 Request an amend to 780810 ltr to incorporate Tech Specs. Amend forwarded 781024 per NRC request
RAMSEY, O. F. Idaho State Univ. 78/11/21. 1p. 94375:101.

--7812070204 Tech Specs of mods to ANSI N378-1974 & Reg Guide 2.2 guidance Tech Specs incl definitions, safety sys, operation operation design features & admin controls.
* Idaho State Univ. 78/11/15. 29pp. 94375:102.

DOCKET 50-285 FORT CALHDUN STATION, UNIT 1

F. Security, medical, emergency & fire protection plans

7810230157 NRC ofc of Controller has been given auth to refund Class II amend fee of \$1,200 which was sent w/780713 appl. Waiver of fee for fire protec amend deemed appropriate.
MILLER, W. D. License Fee Management Branch. 78/10/10. 1p.

7810250079 Informs NRC of criteria for installation & testing of fire detectors in safety related portions of facil. Air flow patterns will be determined, combustibles will be verified, struc considerations will be made.
SHORT, T. E. Omaha Public Power District. 78/10/18. 2pp.

7810250101 Info re penetration seals is provided. Penetration seal sys utilizing silicone foam, silicone elastomers & other related matls is currently being installed at subj facil. Guide specs prepared by Chemtrol Corp on penetration seals encl.
SHORT, T. E. Omaha Public Power District. 78/10/18. 92pp. 94367:095.

7812050193 Submits rept pursuant to Tech Specs 2.19.4.a(11) & 5.9.3.1 re 781016 removal from svc of Elec Fire Pump FP-1A for "A" cell suction screening maint & circulating water pump maint. Fire protect prog now fully operational.
SHORT, T. E. Omaha Public Power District. 78/11/14. 2pp. 94317:272.

H. General correspondence

7811280280 Requests all future correspondence re subj facil be addressed to: TE Short, Assistant General Manager, Omaha Public Pur District, 1623 Harnay Street, Omaha, Nebraska 68102.
SHORT, T. E. Omaha Public Power District. 78/11/20. 1p. 94395:227.

7810130151 Informs of planned action to support lic for Cycle 6 oper. Will supply documentation describing mech. thermal & nuc characteristics of the fuel & will describe fuel design Also plans to apply for increased plant pur level to 1500
SHORT, T E Omaha Public Power District 78/10/04 2pp 94003 036

7811290390 Informs NRC that OPPD has been unable to procure a proper temp detector sys. but will relocate radiat monitor RM-059 to compensats Gives reasons RM-0568 should be left as is. w/o replacement or mod.
SHORT, T E Omaha Public Power District 78/10/16 2pp. 94161 175

7810250060 Forwards Appl for Amend of Oper Lic to permit test of shock suppressors during oper
e LeBoeuf, Lamb, Leiby & MacRae 78/10/24 2pp

--7810250063 Appl for amend to oper lic DPR-40, changing Tech Specs to permit test of shock suppressors during oper
SHORT, T E Omaha Public Power District 78/10/24 6pp

7810300378 Notifies that ofc of controller has been auth to refund Class 11 amend fee for subj Facil. sent w/ appl dtd.
MILLER, W O. License Fee Management Branch 78/10/24. 1p.
94199:358.

7811060079 Requests w/drawal of 771019 Appl for Amend for Operating Lic of subj Facil The Cycle 4 operation has ended & peaking in fuel pins adjacent to flooded guide tubes was considered in Cycle 5 Core Reload Appl
SHORT, T. E. Omaha Public Power District 78/10/25. 1p. 94424 027

7811060099 Requests w/drawal of "Request for Exemption" filed by applicant, Omaha Pub Pur District, on 780714 Request is no longer necessary since recent amend to 10CFR21 Cert of svc encl.
e LeBoeuf, Lamb, Leiby & MacRae 78/10/30 2pp 94424:294.

7811070099 Forwards responses to first round of questions re subj Facil Cycle 5 Reload Appl dtd 780801 From Comm on 781005
SHORT, T. E. Omaha Public Power District 78/10/31 3pp. 94038:288.

7811090180 Forwards responses to second round questions re Cycle 5 Reload Appl of subj facil.
SHORT, T. E. Omaha Public Power District 78/11/07. 10pp
94038:197.

7811140197 Forwards responses to questions posed in NRC ltr of 770919 Responses qualitatively describe mods to be performed by OPPD to ensure that long term core cooling can be performed w/out boron precipitation difficulties
SHORT, T. E. Omaha Public Power District 78/11/08. 9pp. 94384:313

7811150132 Forwards addl fee for amend to provide for Cycle 5 oper of facility after core reload.
SHORT, T. E. Omaha Public Power District. 78/11/09. 2pp. 94272:263.

7811170193 Forwards addl justification for OPPD request for amend of Facil Oper Lic for subj plant. Also forwards complete set of proposed Tech Specs reflecting past amends.
SHORT, T. E. Omaha Public Power District. 78/11/09. 83pp.
94047:270.

7811240087 Ack receipt of 781023 appl for amend to operating lit to permit testing of shock suppressors. Because requested action is a Class 3 action, an addl fee of \$2,800 should be sent in addition to the \$1,200 already received
MILLER, W O. License Fee Management Branch 78/11/13. 1p.
94458:074.

7812190051 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
GRIMES, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94215:057.

7812040161 Forwards responses to 780803 staff round 3 questions re Facil Cycle 5 reload submittal.
SHORT, T. E. Omaha Public Power District. 78/11/27. 7pp 94456:135.

7812180072 Forwards Amend#41 to Facil Oper Lic#DPR-40, changing Tech Spec for emergency pur sys.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/27. 2pp 94131:260.

1pp 94131:260.

--7812180081 Safety Eval supporting Amend#41 to Facil Oper Lic#DPR-40 Finds hazards will not increase significantly.
* Office of Nuclear Reactor Regulation, Director 78/11/27 6pp 94131:273

--7812180083 Notice of Issuance of Amend#41 to Facil Lic#DPR-40.
REID, R. W. Operating Reactors Branch 4 (Pre 790625) 78/11/27 2pp. 94131 279.

7812190076 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing w/encl AND.
7812080207
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/29 6pp 94210:352.

7812180376 Issues Amend 42 to Facil Operating Lic#DPR-40 incorp site security plan info effective 790223 Forwards Amend 42 & Notice of Issuance.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/30 3pp 94358 206.

--7812180380 Amend 42 to Facil Operating Lic#DPR-40 re physical security plan becomes effective 790223.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/30. 2pp 94358 209.

--7812180390 Notice of Issuance of Oper Lic#DPR-40 Amend 42 adding lic condition to incl Comm approved physical security plan.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/30 2pp. 94358 211

7812150107 Forwards Amend#43 to Facil Oper Lic#DPR-40.
REID, R. W. Operating Reactors Branch 4 (Pre 790625) 78/12/05. 2pp 94212:089.

--7812150114 Amend#43 to Facil Oper Lic#DPR-40, changing Tech Spec 1AW Cycle 5 reload analysis & deleting Tech Specs permitting partial insertion of Control Element Assemblies
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/12/05. 25pp. 94212:091.

--7812150117 Safety Eval supporting Amend#43 to Facil Oper Lic#DPR-40. Concludes public will not be endangered
* Office of Nuclear Reactor Regulation, Director 78/12/05. 19pp. 94212:116

--7812150119 Notice of Issuance of Amend#43 to Lic#DPR-40.
REID, R. W. Operating Reactors Branch 4 (Pre 790625) 78/12/05. 2pp. 94212:133

7812280098 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. O. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 03533:315

7812260203 Responds to 781113 ltr & encloses \$2800 check covering addl amend fee for application for amend dtd 781023. Applicant seeks permit to test shock suppressors during oper of subj facil.
SHORT, T. E. Omaha Public Power District. 78/12/12 1p. 94160 138

7812290176 Provides info re insvc inspec & test of check valves SI-17 & SI-176 in containment spray sys. Valves will be added to inspec plan under Category C. Requests exemption from stroking requirements, since vessel must be sprayed down.
SHORT, T. E. Omaha Public Power District. 78/12/22 4pp. 94190 32

G. Inspection reports, IE Bulletins & correspondence

7811030034 Forwards IE Inspec Rept#50-285/78-11 on 780821-25 during which no item of noncompliance was noted. Major areas inspected included, procurement, prep for refueling, plant oper, safety injection sys reset proc & elec equip.
JOHNSON, W. D. Region 4, Dallas, Reactor Operations Nuclear Support Branch. BOYTER, N. C., MADSEN, G. L. Region 4, Dallas, Reactor Construction & Engineering Support Branch. 78/09/07. 7pp. 02720:343.

--7811030036 IE Inspec Rept#50-285/78-11 on 780821-25 during which no item of noncompliance was noted. Major areas inspected included, procurement, prep for refueling, plant oper, safety injection sys reset proc & elec equip.
JOHNSON, W. D. Region 4, Dallas, Reactor Operations Nuclear Support Branch. BOYTER, N. C., MADSEN, G. L. Region 4, Dallas, Reactor Construction & Engineering Support Branch. 78/09/07. 7pp. 02720:343.

781010219 Ack receipt of 780910 ltr informing NRC of steps taken to correct violations noted during inspection 30-285/78-10.
MADSEN, G. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/09/27. 1p. 94062:164.

--781010223 Responds to 780830 NRC ltr re violation noted in Inspec Rept #50-285/78-10. Corrective actions: integrity of wall strengthened by covering transom w/metal grating. Investigation of similar areas performed.
SHORT, T. E. Omaha Public Power District. 78/09/18. 2pp. 94062:165.

781010215 Forwards IE Bulletin#78-12 (See AND: 7810040253)
BEYFRIT, K. V. Region 4, Dallas, Office of the Director. 78/09/29. 1p. 94003:317.

7811220119 Forwards IE Circular#78-18: "UL Fire Test." W/encl AND: 7811150002.
BEYFRIT, K. V. Region 4, Dallas, Office of the Director. 78/11/06. 1p. 94074:194.

7811280038 Forwards IE Inspec Rept#50-285/78-12 on 780917-20 & Notice of Violation.
MADSEN, G. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/10/12. 2pp. 94013:288.

--7811280060 Notice of Violation from Inspec on 780917-20
* Region 4, Dallas, Office of the Director. 78/10/12. 1p. 94013:290.

--7811280062 IE Inspec Rept#50-285/78-12 on 780917-20 during which 2 items of noncompliance were noted: failure to follow procedures re records audits & failure to follow tech specs re personnel qual audits.
JOHNSON, W. D., BOYTER, N. C., MADSEN, G. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/10/12. 7pp. 94013:291.

7810230278 Forwards IE Circular#78-17. (See AND: 7810230221. Docket 80-133. 781013)
BEYFRIT, K. V. Region 4, Dallas, Office of the Director. 78/10/13. 1p. 94179:335.

7810260348 Forwards IE Inspec Rept#50-285/78-13 on 781010-13 & Notice of Violation.
MADSEN, G. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/10/31. 2pp. 94382:264.

--7812060249 Notice of Violation from Inspec on 781010-13.
* Region 4, Dallas, Office of the Director. 78/10/31. 1p. 94382:266.

--7812060351 IE Inspec Repts#50-285/78-13 on 781010-13 during which 1 item of noncompliance was noted: failure to adhere to plant procedures in response to Tech Spec & Design changes.
JOHNSON, W. D. Region 4, Dallas, Office of the Director. 78/10/31. 6pp. 94382:267.

7811130184 Response to requests for info re insvc testing & Inspec of check valves in the safety injection recirculation lines at suby facil.
SHORT, T. E. Omaha Public Power District. 78/11/03. 5pp. 03553:320.

7811280257 Discovered that certain hydratest requirement for Class 2 piping in ASME XI, Burner of 1973 Addenda, is impractical w/in meaning of 10CFR50.55(a). Thus, rev to "Insvc Inspec Prog Plan for the 1976-1980 period" for suby facil is encl.
SHORT, T. E. Omaha Public Power District. 78/11/20. 3pp. 02725:348.

7812060044 Ack receipt of 781106 ltr informing NRC of steps taken to correct violations noted during inspection 30-285/78-12.
MADSEN, G. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/11/21. 1p. 94234:036.

--7812060048 Responds to 781112 NRC ltr re violations noted in Inspec Rept#50-285/78-12. Corrective actions: approved sched of Internal & External Audits will be published at beginning of each year.
SHORT, T. E. Omaha Public Power District. 78/11/06. 3pp. 94234:057.

7812060264 Forwards IE Bulletin#78-12A, suppl to IE Bulletin#78-12.
W/encl AND: 7813000055.
BEYFRIT, K. V. Region 4, Dallas, Office of the Director. 78/11/24. 1p. 94371:348.

7812060278 Ack receipt of 781121 ltr informing NRC of steps taken to correct violations noted during inspection 30-285/78-13.
MADSEN, G. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/11/29. 1p. 94372:283.

--7812060282 Responds to 781031 NRC ltr re violation noted in Inspec Rept#50-285/78-13. Corrective actions: all 1977 Fuel Mgt & Handling Records were examined in Oct & Nov 1977 & inventories made of fuel assemblies.
SHORT, T. E. Omaha Public Power District. 78/11/21. 3pp. 94372:284.

7812030111 Provides info re Inspec of check valves 81-159 & 81-160. Believes test for valves is unnecessary & impractical, but during next refueling outage a flow test or removal & test will be performed.
SHORT, T. E. Omaha Public Power District. 78/12/08. 2p. 94294:343.

R. Periodic operating reports & related correspondence

781010189 Forwards Section IV of "Semi-Annual Rept for Tech Spec 5.9.4 & Append B 780101-780630 Inclusive."
SHORT, T. E. Omaha Public Power District. 78/10/03. 1p. 94068:043.

--781010193 "Semi-Annual Rept for Tech Spec 5.9.4 & Append B, Jan-June 1978."
* Omaha Public Power District. 78/10/03. 105pp. 94068:044.

781010125 Forwards Monthly Oper Rept for Sept 1978.
SHORT, T. E. Omaha Public Power District. 78/10/09. 1p. 94003:094.

--781010126 Monthly Oper Rept for Sept 1978.
HICKLE, B. J. Omaha Public Power District. 78/10/09. 9pp. 94003:093.

7811140107 Forwards Monthly Oper Rept for Oct 1978.
SHORT, T. E. Omaha Public Power District. 78/11/08. 1p. 94423:127.

--7811140161 Monthly Oper Rept for Oct 1978.
HICKLE, B. J. Omaha Public Power District. 78/10/31. 8pp. 94423:128.

7812120178 Forwards Monthly Oper Rept for Nov 1978.
SHORT, T. E. Omaha Public Power District. 78/12/08. 1p. 94303:344.

--7812130181 Monthly Oper Rept for Nov 1978.
HICKLE, B. J. Omaha Public Power District. 78/12/08. 14pp. 94303:345.

S. Reportable occurrences, LERs & related correspondence

781010113 Forwards LER#78-026/03L-1.
ANDREWS, R. L. Omaha Public Power District. 78/09/21. 1p. 94068:149.

--781010117 LER#78-026/03L-1 on 780830: "B" channel RPB variable overpur trip reset demand alarm actuated & would not reset. Then, Hi pur & thermal margin/low pressure trip units failed, both due to failure of Devan 19-601A, 18Vdc pur supply.
CONNOLLEY, J. Omaha Public Power District. 78/09/15. 3pp. 94068:150.

781010100 Forwards LER#78-028/03L-0.
ANDREWS, R. L. Omaha Public Power District. 78/09/29. 1p. 94066:340.

--781010103 LER#78-028/03L-0 on 780831: failure of Tri-x weather tower 100 meter Delta-T sensor sys to rept stability class info. Calibrations revised to ensure instruments detect subsequent sensor sys failures.
OTTERBERG, J., PETERSON, G. Omaha Public Power District. 78/09/27. 3pp. 94066:341.

7810100010 Forwards LER#78-030/01T-0.
ANDREWS, R. L. Omaha Public Power District. 78/10/03. 1p. 94415:166.

--7810100014 LER#78-030/01T-0 on 781003: During oper check on auxiliary steam driven feed pump, the steam inlet valve VCV-1045 did not open due to closed air supply.
GATES, G. Omaha Public Power District. 78/10/03. 4pp. 94415:167.

781010112 Forwards LER#78-029/03L-0.
ANDREWS, R. L. Omaha Public Power District. 78/10/06. 1p. 94053:019.

--781010114 LER#78-029/03L-0 on 780908: Inadvertent radioactive gas release to atmosphere caused by leakage past check valve CH-284, HQ-100 & relief valve HQ-105. Valves will be inspected & replaced or repaired during next refueling outage.
GATES, G. Omaha Public Power District. 78/10/06. 4pp. 94053:020.

00159 Forwards LER#78-031/03L-0 on 781011 1p.
 ANDREWS, R. L. Omaha Public Power District. 78/10/11 1p.
 94317:017.

01060162 LER#78-031/03L-0 on 780918 during normal steady state pwr
 oper the hot leg temp indicator for "D" channel went to full
 scale, due to unknown cause.
 CONNOLLEY, J., PETERSON, Q. Omaha Public Power District. 78/10/11.
 3pp. 94317:018.

060300 Forwards LER#78-032/03L-0.
 ANDREWS, R. L. Omaha Public Power District. 78/10/31 1p.
 469:196

01060204 LER#78-032/03L-0 on 781002 during performance of GT-EGF-5.
 timers S1-1B & CH-1B on sequence S2-2 failed to time out
 w/in prescribed limit due to a stuck open mechanism. Timers
 were exercised to free mechanism.
 ANDREWS, R. L. Omaha Public Power District. 78/10/31. 3pp.
 94487:197.

010368 Forwards LER#78-033/03L-0.
 ANDREWS, R. L. Omaha Public Power District. 78/11/08 1p
 94485:129.

011210371 LER#78-033/03L-0 on 781014: Reactor coolant cold leg temp
 indicator B/122C failed high off scale because of an open
 circuited Rosemount Model 104VC RTD. The RTD will be replaced
 during present refueling outage.
 PETERSON, Q., CONNOLLEY, J. Omaha Public Power District. 78/11/02.
 3pp. 94485:130.

01010238 Forwards LER#78-034/03L-0.
 ANDREWS, R. L. Omaha Public Power District. 78/11/25. 1p.
 94409:353.

012010240 LER#78-034/03L-0 on 781026: repeated tripping of stack
 particulate process monitor. Caused by trip set in accordance
 w/Tech Specs Table 2-1 at 9.6x10-2, rather than more
 conservative release rates 2x10-3.
 KUSEK, L. T. Omaha Public Power District. 78/11/25. 2pp.
 94409:354.

02050173 Forwards LER#78-036/03L-0.
 ANDREWS, R. L. Omaha Public Power District. 78/11/30. 1p.
 94335:126.

012050179 LER#78-036/03L-0 on 781101: auxiliary feedwater check valve
 FW-164 found to be oriented in wrong position. Caused by
 missing valve disk plate which was subsequently located &
 recovered.
 KUSEK, L. T. Omaha Public Power District. 78/11/27. 4pp.
 94335:129.

02200264 Forwards LER#78-037/03L-0.
 ANDREWS, R. L. Omaha Public Power District. 78/12/08. 1p.
 94207:103.

01200272 LER#78-037/03L-0 on 781116: during refueling, all Limitorque
 Valves were inspected for proper staking of the lock nut on
 the motor operator. 30 of 65 valves exhibited unstaked lock
 nuts. Lock nuts were staked IAW manufacturer's instruct.
 JONES, D., ANDREWS, R. Omaha Public Power District. 78/12/05. 9pp.
 94207:104.

02200267 LER#78-038/01T-0 on 781127: Diesel generator #2 failed to auto
 close onto the busbreaker mode switch contacts 27-27C
 failed to make contact. Caused by contact failure.
 CORE, M., PETERSON, Q. Omaha Public Power District. 78/12/08. 3pp.
 94207:114.

02200227 Forwards LER#78-035/03L-0.
 ANDREWS, R. L. Omaha Public Power District. 78/12/12. 1p.
 94162:313.

01200231 LER#78-035/03L-0 on 781113: during test of Ventilation
 Isolation Actuation Signal, lockout 86B1/VIAS did not trip.
 Cause unidentified, since relay retested & found to be
 operating normally. Relays will continue to be tested.
 CORE, M., PETERSON, Q. Omaha Public Power District. 78/12/12. 3p.
 94162:314.

02270213 Forwards LER#78-039/03L-0.
 ANDREWS, R. L. Omaha Public Power District. 78/12/22. 1p.
 94168:096.

--7812270217 LER#78-039/03L-0 on 781122: noted that level transmitter for
 "C" channel (C/LT-901) for steam generator RC-2A level
 instrumentation not w/in specs. Caused by calibr drift of
 OE/MAC Model 553 transmitter.
 CONNOLLEY, J., PETERSON, Q. Omaha Public Power District. 78/12/20
 3pp. 94168:097.

7812270219 Forwards LER#78-031/03X-1
 ANDREWS, R. L. Omaha Public Power District. 78/12/22. 1p.
 94015:338.

--7812270224 LER#78-031/03X-1 on 780918 during refueling outage, "D"
 channel hot leg temp indication was investigated to
 determine cause of 780918 failure. Failure caused by
 Rosemount Model 104VC RTD having water in the pothead
 CONNOLLEY, J., PETERSON, Q. Omaha Public Power District. 78/12/21.
 3pp. 94015:339.

7812270258 Forwards LER#78-043/03L-0
 ANDREWS, R. L. Omaha Public Power District. 78/12/22. 1p.
 94168:063.

--7812270262 LER#78-043/03L-0 on 781204: during inspect of discharged fuel
 assemblies, a single fuel pin was observed to have failed,
 assoc w/manufacture & exposure of present day nuc fuel.
 DUGGER, L. J. Omaha Public Power District. 78/12/22. 3pp
 94168:064.

7812270332 Forwards LER#78-044/03L-0.
 ANDREWS, R. L. Omaha Public Power District. 78/12/22. 1p.
 94232:028.

--7812270333 LER#78-044/03L-0 on 781214: during 1978 refueling outage,
 certain surveillance tests req by Tech Specs could not be
 performed because of shutdown condition. Facil Lic Change
 #77-11 submitted to NRC on 781109 to delete requirements.
 KUSEK, L. T. Omaha Public Power District. 78/12/19. 7pp.
 94232:029.

7812290225 Forwards LER#78-042/03L-0
 ANDREWS, R. L. Omaha Public Power District. 78/12/22. 1p.
 94191:197.

--7812290228 LER#78-042/03L-0 on 781124: during shutdown cooling interlock
 test noted that PC-105B was not operating. Caused by valve
 closing relay 94-347/348 not being wired to PC-105B;
 inadvertently disconnected in 1977.
 MEHAFFEY, R., PETERSON, Q. Omaha Public Power District. 78/12/22.
 4pp. 94191:198.

7812290265 Forwards LER#78-038/01T-0.
 ANDREWS, R. L. Omaha Public Power District. 78/12/08. 1p.
 94207:113.

DOCKET 90-286 INDIAN POINT STATION, UNIT 3

F. Security, medical, emergency & fire protection plans

7810260109 Responds to 780929 NRC ltr requesting addl info on Fire
 Protec Prog for subj facil; 23 oversize drawings & inventory
 encl; 1 copy drawings recd & sent to Br Chief. Drawings
 available in Central Files only.
 EARLY, P. J. Power Authority of the State of New York. 78/10/23.
 50pp.

7812270486 Requests addl info on admin controls of fire protec prog by
 790131.
 SCHWENGER, A. Operating Reactors Branch 1 (Proc 790625). 78/12/12.
 7pp. 94015:299.

G. Adjudicatory correspondence

7811090188 Forwards recent NRC memos re problems w/pipe support base
 plate design. Staff will inform Bd of conclusions after study
 of addl info from licensee. (See AND: 7811020332, 7811020336, &
 7811020343.)
 SMITH, B. H. Office of the Executive Legal Director. 78/10/24. 2pp.
 94031:078.

H. General correspondence

7812060113 Requests changes in distrib list for subj facil. Replace
 Trotsen w/Bennett.
 EARLY, P. J. Power Authority of the State of New York. 78/10/24. 1p.
 94332:199.

7812190016 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" For PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133). GRIMES, B. H. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15 6pp. 94214:286

7812050004 Forwards Licensee Performance Eval Questions for subg facili in response to 771123 request Feels it is possible that dev of statistical methodology for such eval may not justify the effort. Qualitative eval may be as good. Urges 1-year test. ORIER, B. H. Region 1, Philadelphia. Office of the Director. 77/12/13 12pp.

781010085 Responds to 780830 NRC ltr w/questions on Diesel Generator Alarm & Control Circuitry. Diesel control switch presently brings up safeguards equip locked open alarm when not in auto position. Circuit will be modified further. BERRY, Q. T. Power Authority of the State of New York. 78/09/29. 2pp. 94063:358.

781010094 In response to 780913 NRC ltr, states that util submitted rev Emergency Core Cooling Sys calculation for subg facil on 780413 for ACRB rev. EARLY, P. J. Power Authority of the State of New York. 78/10/02. 1p. 94063:353.

781010160 Informs that info re lamellar tearing of steam generator & reactor coolant pump supports requested on 770914 & 771027 will be submitted by 781030. EARLY, P. J. Power Authority of the State of New York. 78/10/02. 1p. 94069:244.

7810300061 Summary of 781004 meeting re Environ Tech Spec on continuous monitoring of liquid effluent releases. Util was found to be in noncompliance w/ETB 2.4 I. & remedial action was recommended pending util appeal. W/encl list of attendees. OLSHAN, L. Operating Reactors Branch 1 (Pre 790625). 78/10/12. 4pp. 94004:286.

7810230191 Response to 780713 ACRB ltr to NRC w/Items of Concern re subg facil & to Auth's discussion w/NRC on 780915 discusses items re sys interaction, regulatory criteria & backfitting, instrumentation, shutdown & heat removal, & safety update. EARLY, P. J. Power Authority of the State of New York. 78/10/13. 2pp. 94052:275.

7810240100 Forwards data specified in Section 401 Certification for Bept. Includes species code list, grass elec output, circulating water temp, river water discharge, chem discharges & daily fish counts. MONTE, W. A. Consolidated Edison Co. of New York. 78/10/13. 17pp.

7810310240 Response to PAGN ltr of 780802; forwards denial of PABN's appl to extend period of interim oper using the installed once-thru cooling sys at subg facil. DENTON, H. R. Office of Nuclear Reactor Regulation, Director. 78/10/13. 3pp. 94091:322.

--7810310242 Denial of PABN's appl for extension of period of interim oper using the installed once-thru cooling sys. Denial based on NRC deference to EPA decision & NRC desire to evaluate that decision before taking action. BALLARD, R. L. Environmental Projects Branch 1. 78/10/13. 3pp. 94091:325.

781030182 Notice of denial of amend appl for lic#DPR-64, "Appl for an Extension of Period of Interim Oper Using Installed Once-through Cooling Sys & Motion for Expedited Comm Consideration 780807". Comm must req compliance to EPA sched. BALLARD, R. L. Environmental Projects Branch 1. 78/10/13. 3pp. 02724:087.

7810300242 Forwards list of projects addressed to the Hudson River estuary which NRC is conducting or in which it is participating as per ltr request of 780901. LEWIS, B. H. Office of the Executive Legal Director. 78/10/17. 3pp. 94034:006.

781080078 Responds to 780802 ltr which included \$1,200 for extension of period of interim oper of facil using installed once-thru cooling sys. \$1,200 is being refunded pending legal settlement of request. MILLER, W. D. License Fee Management Branch. 78/10/23. 1p. 94271:137.

oper & therefore milk sample is unobtainable. Samples of leafy green vegetables & milk from Shenandoah Farm will be taken. CAHILL, W. J. Consolidated Edison Co. of New York. 78/10/30. 2pp. 94038:290.

781070253 Forwards "Cycle 2, Startup Physics Test Rept." BAYNE, J. P. Power Authority of the State of New York. 78/10/31. 1p. 94038:006.

--781070256 "Cycle 2, Startup Physics Test Rept". * Power Authority of the State of New York. 78/10/31. 380pp. 94038:007

781080110 Forwards Summary Analysis of Periodic Type B & Type C Reactor Containment Bldg Leak Rate Test for subg facil. Leakage during test occurred thru improperly positioned valve on #33 & 34 Containment Recirculation Fan. EARLY, P. J. Power Authority of the State of New York. 78/11/02. 3pp. 94399:149.

--781080111 "Reactor Containment Bldg Integrated Leak Test, Summary Tech Rept". Describes summer 1978 Periodic Type "B" & "C" tests at subg facil. Measured leakage of all sys well within tech spec. * Power Authority of the State of New York. 78/11/02. 62pp. 94399:152.

781080183 Forwards "Appl for Amend to Oper Lic". \$1200 check for Class II fee not received. EARLY, P. J. Power Authority of the State of New York. 78/11/02. 2pp. 94405:103.

--781080184 "Appl for Amend to Oper Lic". Three attachments incl Safety Eval, Environ Impact Assessment & proposed changes to Environ Tech Specs. EARLY, P. J. Power Authority of the State of New York. 78/11/02. 8pp. 94405:105.

781080123 Responds to 780828 ltr & forwards "Appl for Amend to Operating Lic on Overpressure Protec Sys". Amend is class II since it involves single safety issue. EARLY, P. J. Power Authority of the State of New York. 78/11/03. 2pp. 94399:231.

--781080127 Appl to amend operating lic#DPR-64 Tech Spec contained in Appendix A. Proposed changes are intended to assure safe oper of Overpressure Protec Sys. EARLY, P. J. Power Authority of the State of New York. 78/11/03. 26pp. 94399:233.

--781080129 Safety eval of proposed Overpressure Protec Sys. Proposes to mod Tech Spec Section 3.1 to establish Limiting Conditions for Oper (LCO's) on Oper Components of OPS. Changes will not increase accident probability. EARLY, P. J. Power Authority of the State of New York. 78/11/03. 2pp. 94399:261.

7811210200 Forwards Amend#1B to Facil Oper Lic#DPR-64 for subg facil. Amend consists of changes to Tech Specs per 771102 appl. Also forwards Safety Eval & Notice of Issuance. SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/06. 2pp. 94488:021.

--7811210205 Amend to Facil Oper Lic#DPR-64. Areas amended incl quadrant pur tilt ratio, heatup & cooldown & chem & volume control sys. SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/06. 36pp. 94488:023.

--7811210209 Safety Eval supporting Amend#1B to Facil Oper Lic#DPR-64 for subg facil. Changes incl reduction in maximum pressurizer heatup rate & change in definition of quadrant pur tilt ratio. * Office of Nuclear Reactor Regulation, Director. 78/11/06. 3pp. 94488:034.

--7811210213 Notice of Issuance of Amend#1B to Facil Oper Lic#DPR-64 for oper of subg facil. Areas changed incl Tech Specs re pressurizer heatup & cooldown rates & repping procedures re steam generator tube insvc inspecs. SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/06. 37pp. 94488:037.

7811290288 Responds to 781106 request for info concerning licensee reg performance eval for Region 1 plants by NRC. Provides details. ORIER, B. H. Region 1, Philadelphia. Office of the Director. 78/11/09. 9pp.

7811170160 Forwards data specified in Section 401 Certification for month of October, 1978
MONTI, W. A. Consolidated Edison Co. of New York. 78/11/10. 16pp.
94048:051

7811210274 Ack receipt of 781013 ltr responding to request for extension of interim oper of subj Facil using the installed once-thru cooling sys. Believes hearing would be premature.
EARLY, P. J. Power Authority of the State of New York. 78/11/13. 2pp. 94483:167.

7812150086 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73 Requests pre-workshop registration of attendees to facilitate sending out matl. W/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 3pp. 94211:343.

7812190048 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PHR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pwr Plants" (NUREG-0133).
GRIBER, B. H. Assistant Director for Engineers & Projects (Pre 790623). 78/11/15. 6pp. 94215:045.

7812190182 Forwards rept prepared by Westinghouse in response to 771004 NRC ltr re fracture toughness & potential for lamellar tearing of steam generator & reactor coolant pump support matl. Rept contains proprietary info.
EARLY, P. J. Power Authority of the State of New York. 78/11/21. 2pp.

7812070200 Notice of seminar on 781208 on new Model Radiological Effluent Tech Spec for nuc pwr plants Requests advance submission of seminar specific questions. W/encl Seminar Info Sheet, Proposed Agenda & map.
GRIBER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/21. 8pp. 94375:093.

7812140351 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND# 7812080207.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790623). 78/11/28. 6pp. 03557:212.

7812070180 Forwards application for amend to OLS.
IARNKAS, P. Consolidated Edison Co. of New York. 78/12/03. 1p. 94375:030.

--7812070182 Application for amend to OLS. Certificate of Bvc encl.
CHILL, W. J. Consolidated Edison Co. of New York. 78/12/03. 12pp. 94375:031.

7812280096 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. Q. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 03553:313.

7812050013 Requests views of Regional Directors on Licensee performance eval. of subj facils. Forwards questions to be answered by 771209.
THORNBURG, H. Division of Reactor Construction Inspection. 77/11/23. 2pp.

7812190182 Notice of 781218 meeting w/util to discuss NUREG-0133. "Preparation of Radiological Effluent Tech Spec for Nuc Pwr Plants" as it applies to subj facil.
OLSHAN, L. Operating Reactors Branch 1 (Pre 790623). 78/12/13. 8pp. 94381:207.

7812190174 Forwards copies of "Appl for Amend to Oper Lic" which request amends to section 4.1.2a of Environ Tech Spec Requirements for subj facils. Amends would restructure present Aquatic Environ Monitoring Prog. Cert of Bvc encl.
CHILL, W. J. Consolidated Edison Co. of New York. 78/12/14. 3pp. 94340:002.

--7812190180 Appl for amend to Licensee DPR-5, DPR-26 & DPR-64 requesting rev to Environ Tech Specs. Rev Tech Specs & proposed mods are designed to provide a monitoring prog for continuous assessment of Hudson River fish population.
CHILL, W. J., EARLY, P. J. Consolidated Edison Co. of New York. 78/12/14. 46pp. 94340:005.

7812260014 Comments of PASN re closed-cycle cooling conditions Asserts that lic condition should either be eliminated or delayed indefinitely. Cert of Bvc encl.
TROSTEN, L. M., FIDELL, E. R., ANCARROW, M. R., LeBoeuf, Lamb, Leiby & MacRae. 78/12/15. 18pp. 94021:045.

--7812260014 Forwards appl for extension of period of interim oper. using installed once-thru cooling sys. pending final determination of permissibility of such systems.
EARLY, P. J. Power Authority of the State of New York. 78/08/02. 2pp. 94021:063.

--7812260023 Appl for extension of period of interim oper using installed once-thru cooling sys. Appl contains motion for expedited relief. Also encl is affidavit of P.J. Early of PASN in support of extension.
* Power Authority of the State of New York. 78/08/07. 58pp. 94021:065.

--7812260039 Notice of denial of amend appl seeking extension of period of interim oper using installed once-thru cooling sys. Denial based on NRC legal reliance on EPA prot & decisions.
BALLARD, R. L. Environmental Projects Branch 1. 78/10/13. 3pp. 94021:126.

7812290170 Repts on Steam Generator Tube Plugging. Plant was placed in cold shutdown condition on 781207 as result of tube leak in Steam Generator #33. Leaking tube was plugged explosively & secondary side hydrostatic test was performed.
BAYNE, J. P. Power Authority of the State of New York. 78/12/20. 2pp. 94190:319.

0. Inspection reports, IE Bulletins & correspondence

7811080244 Forwards IE Inspec Rept#50-286/78-25 on 780815-17 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/19. 2pp. 94405:349.

--7811080248 IE Inspec Rept#50-286/78-25 on 780815-17 during which no items of noncompliance were noted. Major areas in spec incl review of previous in spec findings, oper actions on BIS reset features, CORE II startup preparations.
REBELDMAN, I. T. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/18. 7pp. 94405:351.

7810160241 Forwards IE Bulletin#78-12: "Atypical Weld Material in Reactor Pressure Vessel Heads" requesting action w/in 60 days & list of IE Bulletins issued in 1978 (See AND #7810040253).
GRIBER, B. H. Region 1, Philadelphia, Office of the Director. 78/09/29. 6pp. 94007:007.

7810250134 Ack receipt of 780928 ltr informing NRC of steps taken to correct violations noted during in spec #50-286/78-22.
SMITH, G. H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/10/12. 1p.

--7810250135 Responds to 780906 NRC ltr re violation noted in Inspec R #50-286/78-22. Corrective actions: establishment of inventory list for all health physics instru & control of human exposure to radiat.
BAYNE, J. P. Power Authority of the State of New York. 78/09/20. 3pp.

--7810250136 Forwards IE Inspec Rept#50-286/78-22 on 780717-21 & 780801-04 & Notice of Violation.
CROCKER, H. W. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/09/06. 2pp.

--7810250137 Notice of Violation from in spec on 780717-21 & 780801-04.
* Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/09/06. 2pp.

--7810250138 IE Inspec Rept#50-286/78-22 on 780717-21 & 780801-04 during which 2 items of noncompliance were noted: Failure to adhere to radiat protc procedures & failure to control exposure w/in 10CFR20.101 limits.
NEELY, D. R., HIGGINS, J. C. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/09/06. 19pp.

7811060184 Forwards IE Circular#78-17. (See AND 7810230221, Docket #50-133, 781013.)
GRIBER, B. H. Region 1, Philadelphia, Office of the Director. 78/10/13. 1p. 94489:147.

7811100120 Ack receipt of 781005 ltr informing NRC of steps taken to correct violations noted during in spec #50-286/78-13.
GRIBER, B. H. Region 1, Philadelphia, Office of the Director. 78/10/20. 1p. 94047:239.

--7811100129 Responds to 780712 NRC ltr re violation noted in Inspec Rept#50-286/78-13. Repts current ltr supersedes 780918 & 780921 ltrs re resolution of items from subj in spec.
BAYNE, J. P. Power Authority of the State of New York. 78/10/05. 6pp.

--781100145 Repts Con Edison's corrective actions in response to requests by PASB re violations of ETS
BAYNE, J. P. Power Authority of the State of New York. 78/09/18
4pp.

--781100158 Responds to 780712 NRC ltr re violations noted in Inspec
Rept#50-286/78-13 Repts Con Edison conducts environ
monitoring for PASB Corrective actions will be supplied
subsequent to rely from Con Edison
BAYNE, J. P. Power Authority of the State of New York. 78/08/04.
2pp 94047 201

--781100165 Forwards IE Inspec Rept#50-286/78-13 on 780516-18 & 22-23 &
notice of violation
CROCKER, H. W. Region 1, Philadelphia, Fuel Facility & Materials
Safety Branch. 78/07/12 3pp. 94046 335

--781100172 Notice of Violation from Inspec on 780516-18 & 22-23.
* Region 1, Philadelphia, Fuel Facility & Materials Safety Branch.
78/07/10 3pp 94046 338

--781100181 IE Inspec Rept#50-286/78-13 on 780516-18 & 22-23 during
which 6 items of noncompliance noted failure to submit
anomalous measurements rept, failure to approve temp
procedure changes in accord w/ETSR & other deficiencies.
BRES, R. J., STORR, J. P. Region 1, Philadelphia, Fuel Facility &
Materials Safety Branch. 78/07/10 24pp. 94046 341.

7812010047 Forwards IE Inspec Repts#50-286/78-27 on 780911-13 during
which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear
Support Branch. 78/10/23 2pp 94416 125

--7812010062 IE Inspec Rept#50-286/78-27 on 780911-13 during which no
item of noncompliance was noted Major areas inspected incl:
response to IE Circular 78-08 "Environ Qualification of
Safety Related Elec Equip"
REBELOWSKI, T., KEIMIG, R. Region 1, Philadelphia, Reactor
Operations Nuclear Support Branch. 78/10/20 6pp. 94416 186.

7811080082 Ack receipt of 781010 ltr informing NRC of steps taken to
correct violations noted during Inspec#50-286/78-26
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear
Support Branch. 78/10/27 1p. 94399 037.

--7811080086 Responds to 780921 NRC ltr re violation noted in Inspec Rept
#50-286/78-26 Corrective actions: procedures written
describing admin of training w/documentation for Maintenance
& I & C Dept personnel.
BAYNE, J. P. Power Authority of the State of New York. 78/10/10.
1p. 94399 038

--7811080090 Forwards IE Inspec Rept#50-286/78-26 on 780822-24 & Notice
of Violation.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear
Support Branch. 78/09/18. 2pp. 94399 039.

--7811080092 Notice of Violation from Inspec on 780822-24.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear
Support Branch. 78/09/18 1p. 94399 041.

--7811080097 IE Inspec Rept #50-286/78-26 on 780822-24 during which 1
item of noncompliance was noted: failure to establish
documented retraining prog for craft & tech personnel.
BECKMAN, D. A., RUHLMAN, W. A., KISTER, H. B. Region 1, Philadelphia,
Reactor Operations Nuclear Support Branch. 78/09/07. 8pp.
94399 042

7812010345 Forwards licensee performance evaluation for Region 1. No
operating reactor in Region 1 considered to have either
abnormal or unusual safety concern.
GRIER, B. H. Region 1, Philadelphia, Office of the Director.
78/11/01. 4pp. 00002 259.

7811290158 Forwards IE Circular #78-18, "UL Fire Test." W/encl AND:
7811150002
GRIER, B. H. Region 1, Philadelphia, Office of the Director.
78/11/06. 1p. 94238 044.

7812010033 Ack receipt of 781027 ltr informing NRC of steps taken to
correct violations noted during Inspec#50-286/78-21.
SMITH, G. H. Region 1, Philadelphia, Fuel Facility & Materials
Branch. 78/11/09. 1p. 94416 055.

--7812010081 Request written statement of explanation incl corrective
actions which have been taken in light of Inspec steps taken
to avoid further items of noncompliance & date when
compliance will be achieved
SMITH, G. H. Region 1, Philadelphia, Fuel Facility & Materials
Safety Branch. 78/10/05 2pp 94416 057.

--7812010085 Responds to 780816 NRC ltr & Notice of Violation
permissible discharge concentration should be averaged over
a one year period in compliance w/ETSR section 2.4.1.a.
therefore they are not in violation of Tech Specs
BAYNE, J. P. Power Authority of the State of New York. 78/0
2pp 94416 059

--7812010089 Forwards IE Inspec Rept#50-286/78-21 on 780712-14
& Notice of Violation.
CROCKER, H. W. Region 1, Philadelphia, Fuel Facility & Materials
Safety Branch. 78/08/16 2pp 94416 061.

--7812010092 Notice of Violation from Inspec on 780712-14 & 24-
* Region 1, Philadelphia, Fuel Facility & Materials Safety
78/08/14 1p 94416 063

--7812010096 IE Inspec Rept#50-286/78-21 on 780712-14 & 24-28
which 02 items of noncompliance were noted: failure to
calibr liquid redwaste monitor & improper setpoint on
liquid redwaste monitor
THOMAS, L. H., KNAPP, P. J. Region 1, Philadelphia, Fuel Facility
Materials Safety Branch. 78/08/14. 6pp. 94416 064

7812150198 Forwards IE Bulletin#78-12A, suppl to IE Bulletin#78-
W/encl AND 7811300055
GRIER, B. H. Region 1, Philadelphia, Office of the Director.
78/11/24. 1p. 94212 225

7812130168 Forwards "Insvc Inspec NIS-1 Data Rept & Summary" re
from summer 1978 refueling outage including a summary rept
of the Steam Generator Channel Head visual & ultrasonic
Inspec.
EARLY, P. J. Power Authority of the State of New York. 78/12/
94294 111.

--7812130171 "Insvc Inspec Rept for Summer 1978 Refueling Outage"
Insvc examination of Class 1 piping & components & Class 2
steam generator items & reactor coolant pump flywheels
* Power Authority of the State of New York. 78/09/30. 95
94294 112

7812260130 Forwards info re Insvc Inspec on steam generators#33
Tubes Inspec by eddy current method of exam. Exam incl Inspec
for tube wall degradation on outside surface of tubes &
denting at tube sheet & tube support plates.
BAYNE, J. P. Power Authority of the State of New York. 78/12/
80pp 94027 216.

R. Periodic operating reports & related correspondence

7812010206 Forwards corrected copy of Chem Discharges sheet in
401 Cert Rept for Oct 1978.
MONTI, W. A. Consolidated Edison Co. of New York. 78/11/15.
94409 265.

7810130180 Monthly Oper Rept for Sept 1978.
TAOLIANMONTE, M. Power Authority of the State of New York. 78/
6pp. 94003 039.

7810130167 Forwards Monthly Oper Rept for Sept 1978.
BAYNE, J. P. Power Authority of the State of New York. 78/10/
94003 038.

7810200064 Forwards tabulation of daily record of fish collected
Sept 1978 including breakdown & total weight.
CAHILL, W. J. Consolidated Edison Co. of New York. 78/10/13.
94412 171.

7811140106 Monthly Oper Rept for Oct 1978.
TAOLIANMONTE, M. Power Authority of the State of New York. 78/
6pp. 94425 119.

7811140104 Forwards Monthly Oper Rept for Oct 1978.
BAYNE, J. P. Power Authority of the State of New York. 78/11/
94425 118.

7811220153 Forwards tabulation of daily record of fish collections for Oct 1978 w/daily species breakdown & total weight
CAHILL, W J Consolidated Edison Co. of New York 78/11/16 App
94074:277.

7812180152 Forwards data specified in Section 401 Certification for Nov 1978
MONTI, W A. Commonwealth Edison Co 78/12/10 17pp. 94366:096

7812150237 Forwards Monthly Oper Rept for Nov 1978
BAYNE, J P Power Authority of the State of New York 78/12/11 1p
94213:161

--7812150241 Monthly Oper Rept for Nov 1978
ZULLA, B S Power Authority of the State of New York 78/11/30.
6pp 94213:268

7812270188 Forwards rept of fish impingement & corrective action for Nov 1978
CAHILL, W J Consolidated Edison Co. of New York 78/12/14. 5pp.
94018:037.

B Reportable occurrences, LERs & related correspondence

7810100098 Forwards LERN78-031/03L-0
BAYNE, J P Power Authority of the State of New York. 78/10/03 1p
94033:156

--7810100100 LERN78-031/03L-0 on 780912 failure of hot leg RTD TE-410A
Manifold stop valve 561A found to be leaking boroated water
onto cabling & junction box of RTD. Leak diverted by wrapping
valve w/insulating cloth; RTD cable & box rinsed.
GUMBLE, F W Power Authority of the State of New York. 78/10/02
2pp. 94033:157.

7810120038 Forwards LERN78-030/03L-0
BAYNE, J P. Power Authority of the State of New York. 78/10/03 1p.
94471:359

--7810120060 LERN78-030/03L-0 on 780908 during 99% plant oper. the React
Oper noted RCB leakage of 2.37ppm due to packing leaks on
RTD manifold hot leg isolation valves #561A & 561B for loops
#31 & 32, respectively. Leak insignificant & oper continued.
GUMBLE, F W. Power Authority of the State of New York. 78/10/03.
2pp. 94471:360

7811060210 Forwards LERN78-032/03L-0.
BAYNE, J P. Power Authority of the State of New York 78/10/30 1p
94489:226.

--7811060215 LERN78-032/03L-0 on 781004 water coming out of ground at N
end of Turbine Bldg caused by ruptured FM-1 valve located in
fire protec loop. Ruptured valve replaced & sys returned to
Tech Spec limits.
GUMBLE, F W Power Authority of the State of New York. 78/10/30.
2pp. 94489:227.

7811140247 Forwards LERN78-033/03L-0
BAYNE, J P. Power Authority of the State of New York. 78/11/09. 1p.
94400:103.

--7811140250 LERN78-033/03L-0 on 781014 radial tilt occurred, caused by
injection of boric acid when the axial offset was
approaching its most negative value. High Flux setpoint was
reduced & tilt condition eliminated.
* Power Authority of the State of New York. 78/11/09. 2pp.
94400:104.

7811220189 Forwards LERN78-034/03L-0.
BAYNE, J P. Power Authority of the State of New York 78/11/17. 1p.
94071:299.

--7811220192 LERN78-034/03L-0 on 781027 at 100% pwr, an increase in plant
vent radio gas was monitored, due to leakage of #31 charging
pump plunger. Plunger & packing for Union Pump GK-300
Quintuples were replaced.
GUMBLE, F W. Power Authority of the State of New York. 78/11/17.
2pp. 94071:300.

7812220095 Forwards LERN78-037/03L-0.
BAYNE, J P Power Authority of the State of New York. 78/12/18. 1p
94343:340.

--7812220098 LERN78-037/03L-0 on 781121 While oper at 100% pwr in steady
state, channel 3 pressurizer level indicator (LT-461) showed
pressurizer level falling. Caused by leakage of Edwards-
Rockwell blowdown valve (3/8" globe).
GUMBLE, F W Power Authority of the State of New York. 78/12/18.
1p. 94343:341.

DOCKET 50-287 OCONEE NUCLEAR STATION, UNIT 3

E NRC Safety Evaluation Report (SER), suppl & correspondence

7811020014 Supplements 780811 Safety Eval of subj Facil Found LPBW sys
piping arrangement acceptable. Deletes requirement to provide
spare dedicated cables for LPBW sys pump motors
REID, R W Operating Reactors Branch 4 (Pre 790625). 78/10/05 2pp
94391:247

F Security, medical, emergency & fire protection plans

7810180126 Forwards proprietary info consisting of Change#8 to Rev#3 of
subj facil security plan w/o proprietary info
PARKER, W O. Duke Power Co 78/10/06 32pp

7810310008 Forwards Revision 2 of modified amended security plan
(MARP) Encl withheld (ref 10CFR2.790).
PARKER, W O Duke Power Co 78/10/19. 2pp. 9409J:360

7811210032 Summary of 781025 meeting to discuss qual of Station Health
Physics at subj facil NRC requested util to submit rev
Tech Spec
FAIRTILE, M. Operating Reactors Branch 4 (Pre 790625). 78/11/02
28pp 94482:358

7812060019 Summary of a 781025 meeting re subj facil Station Health
Physicist
FAIRTILE, M. Operating Reactors Branch 4 (Pre 790625) 78/11/02
3pp 94415:330

P. Operating license stage documents & correspondence

7811170029 Requests addl info in order to complete review of submittals
dtd 780714 & 781006 re permanent mode to High Pressure
Coolant Injection Sys at subj facil. Requests info in 20
days
REID, R W Operating Reactors Branch 4 (Pre 790625). 78/10/31. 3pp
94048:182

7810110025 Request for all info re radiat leakage & safety problems at
subj facila.
GORDON, W J. Gordon, Walter J 78/09/08 1p. 94063:131

7810110090 Forwards "Integrated Leak Rate Test of Reactor Containment
Bldg."
PARKER, W O. Duke Power Co 78/09/29. 1p. 94066:289

--7810110092 "Integrated Leak Rate Test of Reactor Containment Bldg."
ROGERS, R. DAVENPORT, B O. Duke Power Co. 78/09/29 30pp
94066:290.

7810230158 Forwards check for 98300 to cover addl lic fees for NRC
review of Cycle 3 released amend for subj facil.
PARKER, W O Duke Power Co. 78/10/03 2pp. 94164:260

7810120174 Analysis of small break LOCA dtd 780515 & the proposed mnd
which requires an oper to position switches to open 2 elec-
motor-open valves. Actions are consistent w/staff position on
this matter.
PARKER, W O. Duke Power Co. 78/10/06 1p. 94003:051.

7810260149 Notification of forthcoming meeting with Duke Pwr Co on
781025 to discuss goals of Radiat Protec Manager.
FAIRTILE, N B. Operating Reactors Branch 4 (Pre 790625). 78/10/17.
1p. 94055:336.

7810270072 Forwards Startup Rept for subj facil 781031
PARKER, W O. Duke Power Co 78/10/17. 1p. 94059:149.

--7810270076 Startup Testing Summary for 781031. Summarizes the zero pwr
pwr escalation tests, & includes comparisons of measured
& predicted values of important core parameters.
* Duke Power Co 78/10/17. 15pp. 94059:150

7810240147 Due to inaction on subj Facil 781007 proposal for Tech Spec
rev to incorporate staff position for voltage monitors, the
proposal is rescinded.
PARKER, W O. Duke Power Co. 78/10/19. 1p.

7810300182 Responds to 781010 NRC ltr & remits fee for review of
cycle 4 reload amend.
PARKER, W O. Duke Power Co. 78/10/20. 2pp. 94030:159.

- 7811070013 Forwards Amends 65, 65 & 62 to Licenses DPR-38, DPR-47 & DPR-55, respectively, changing Tech Specs re full rated pur Cycle 3 oper after core reload, removal orifice rod assemblies from core & High Pressure Injection Pump oper. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/23 3pp. 94036:290
- 7811070035 Amend#65 to Facil Oper Lic#DPR-38, changing Tech Specs. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/23 2pp. 94036:293
- 7811070057 Amend#65 to Facil Oper Lic#DPR-47, changing Tech Specs. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/23 2pp. 94036:293
- 7811070060 Amend#62 to Facil Oper Lic#DPR-55, changing Tech Specs. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/23. 25pp. 94036:297.
- 7811070063 Exempts subj facil from 10CFR50 46(a) re reactor cooling until mod is complete or until next refueling shutdown. STELL, V. Division of Operating Reactors. 78/10/23. 8pp. 94036:322.
- 7811070068 Safety evaluation & EIA supporting Amend 65 to Lic DPR-38. Amend 65 to Lic DPR-47 & Amend 62 to Lic DPR-55. Concludes that it is acceptable for Cycle 3 oper to proceed & that EIA not req. * Office of Nuclear Reactor Regulation, Director. 78/10/23 19pp. 94036:330.
- 7811070071 Notice of Issuance of Amend#65 & 62 to Facil Oper Lic#DPR-38, DPR-47 & DPR-55, respectively, rev Tech Specs to support full rated pur oper during Cycle 5 after core reload, adding High Pressure Injection Pump reqs & fuel demonstration prog. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/23. 2pp. 94036:349.
- 7811170324 Notice of Issuance of Amend#62 & 65 to Oper Lic#DPR-38, 47 & 55. Amend rev Tech Specs allowing full rated pur during Cycle 5 after core reload & permits use of 5 previously burned fuel assemblies. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/23. 2pp. 02766:243.
- 7811020255 Notice of rev to Tech Spec 3.7 re Auxiliary Elec Sys. Spec 3.7.1 is rev to clearly define onsite emergency transmission paths in 125VDC Instr Control Sys. & rev 3.7.2 re elec sys degraded mode oper. PARKER, W.D. Duke Power Co. 78/10/31. 6pp. 94247:138.
- 7811140114 Responds to 781031 request for addl info re mod of high pressure injection sys, specifically, small break ECCS mod. PARKER, W.D. Duke Power Co. 78/11/06. 4pp. 94425:155.
- 7811160065 Confirms conversations re 780705 proposed oper lic change re possible receipt of 4 fuel assemblies from FL Pur Corp. Requests withdrawal of proposed lic amend & indemnity agreement(8-44) & refund of lic fee. PARKER, W.D. Duke Power Co. 78/11/07. 1p. 94133:121.
- 7811160079 Rescinds 780523 request for NRC concurrence re proposed change to respiratory protec sys. PARKER, W.D. Duke Power Co. 78/11/07. 1p. 94133:175.
- 7811160134 Responds to 781011 NRC comments on minimum qualifications of station Health Physicist. Considers requirements in ANSI/ANS-3.1-1978 to be appropriate. PARKER, W.D. Duke Power Co. 78/11/07. 1p. 94135:235.
- 7811270118 Forwards 3 previously omitted Tech Spec pages(2.3-1, 2.3-3 & 2.3-11) for Lic Amend#65, 65 & 62, covering limiting safety sys settings & protect instru. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/11/08. 5pp. 94271:266.
- 7811200421 Forwards results of measurements of radioactive matl in NRC phantom on whole body counter. Encl 1 contains actual amount of each radionuclide present; encl 2 gives ratio of measurements to DOE values & encl 3 gives recommendations. SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/09. 5pp. 94419:175.
- 7811210298 Notifies util of 781205 seminar in Atlanta to discuss new Model Rod Effluent Tech Specs & encl seminar info sheet, registration form, & proposed agenda. O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/09. 3pp. 94488:126.
- 7811210306 Notifies util of 781205 seminar in Atlanta to discuss new Model Rod Effluent Tech Specs & encl seminar info sheet, registration form, & proposed agenda. O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/09. 3pp. 94488:091.
- 7811300035 Forwards NRC staff paper, Policy Session Item(SECY-78-554) re licensee reg performance evaluation. Three methods for evaluation are: statistical, trend analysis & regional survey method. W/o encl. O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/15. 2pp. 94070:351.
- 7812150123 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. W/encl Registration Form & List of Locations. MILLER, J.R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 0pp.
- 7812190031 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's(NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133). W/o encl AND: 7811270173 & 781127018. GRIMES, B.K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94214:333.
- 7811300379 Informs DPC that NRC has contracted w/Mountain West Res Inc to undertake a series of post-licensing studies of nuc pur stations. Studies will analyze socioeconomic impacts which occurred during constr & post-constr periods of each plant. DEYOUNG, R.C. Division of Site Safety & Environmental Analysis. 78/11/20. 2pp. 94136:252.
- 7812060260 Response to 780905 ltr requesting exemptions from certain reg of 10CFR Part 21. Rule amended 781019 & provided relief requested. DENTON, H.R. Office of Nuclear Reactor Regulation, Director. 78/11/24. 2pp. 94371:337.
- 7812060272 Requests exemption from 10CFR21 re procurement of various standard stock items from Cutler Hammer, Inc. Procurement delays will affect constr sched. PARKER, W.D. Duke Power Co. 78/09/05. 3pp. 94371:339.
- 7812040147 Forwards updated replacement for 780216 copy of steam generator oper history. Includes all activities thru June 1978 refueling & insvc inspect. PARKER, W.D. Duke Power Co. 78/11/28. 11pp. 94456:098.
- 7812150083 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND: 7812080207. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/11/29. 6pp. 94210:330.
- 7812180131 Expects that mod of high pressure injection sys at subj facil can be implemented for each unit during first available outage of sched duration sufficient to install mod. PARKER, W.D. Duke Power Co. 78/12/04. 1p. 94364:278.
- 7812280173 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result. DAVIS, J.O. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94375:015.
- 7812260001 Accepts proposed design mod to High Pressure Injection (HPI) sys consisting of installing cross-current lines between discharge lines of HPI sys. W/Safety Eval. LAINAB, O. Plant Systems Branch (Pre 791030). 78/12/07. 6p. 94020:271.
- 7812260062 Forwards Safety Eval Rept for subj facil re mod to high pressure injection sys. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/12/13. 8pp. 94021:271.
- 7812260064 BER "Mod to High Pressure Injection Sys." Concludes design mod to HPIB will ensure that for all postulated single failure conditions, HPIB will be capable of supplying HPI flow by 2 HPI pumps through 2 injection paths. * Operating Reactors Branch 4 (Pre 790625). 78/12/13. 4pp. 94021:273.

--7812280247 Lic#DPR-38, DPR-47, & DPR-53 for Amends 66, 66.1 & 63.4 Tech Specs proposed changes re control rod operability & support of Unit#2 full rated pur during Cycle 4 after core reload & removal of orifice rod assemblies from core
REID, R. W. Operating Reactors Branch 4 (Pre 790623). 78/12/18
3pp. 94335:261

--7812280264 SER supporting Amend 66 to DPR-38, Amend 66 to DPR-47, & Amend 63 to DPR-53 Concludes that proposed Tech Spec changes do not involve a significant hazard, health or safety consideration.
* Operating Reactors Branch 4 (Pre 790623). 78/12/15. 13pp.
94335:306

--7812280267 Notice of Issuance of Amend 66 to DPR-38, Amend 66 to DPR-47, & Amend 63 to DPR-53 revising common Tech Specs to support the oper of Unit#2 full rated pur during Cycle 4.
ZMETZLO, G. B. Operating Reactors Branch 4 (Pre 790623). 78/12/15.
2pp.

7812270244 Forwards proposed rev to subj facil Tech Specs. Proposed exception, 3.3.6(1), would allow inoperability of one Reactor Bldg Spray Pump for up to 72 hours provided all Reactor Bldg Cooling Units are operable w/attach affidavit.
PARKER, W. D. Duke Power Co. 78/12/22. 4pp. 94017:159.

Q. Inspection reports, IE Bulletins & correspondence

781100103 Ack receipt of 781016 ltr informing NRC of steps taken to correct violations noted during inspect#50-269/78-18, #50-270/78-18 & #50-287/78-19.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/10/26. 1p.
94173:356.

--781100110 States info contained in 781016 ltr is proprietary pursuant to Section 2.790 & is to be withheld.
PARKER, W. D. Duke Power Co. 78/10/16. 1p. 94173:357.

--781100115 Responds to 780919 NRC ltr re violation noted in Inspec Repts#50-269/78-18, #50-270/78-18 & #50-287/78-19. Corrective action withheld (ref 10CFR2.790).
PARKER, W. D. Duke Power Co. 78/10/06. 1p. 94173:358.

--781100124 Forwards summary of IE Inspec Repts#50-269/78-18, #50-270/78-18 & #50-287/78-19 on 780815-17. Notice of Violation withheld pursuant to 2.790.
KENNA, W. B. Region 2, Atlanta, Office of the Director. 78/09/19.
2pp. 94173:359.

--781100130 IE Inspec Repts#50-269/78-18, #50-270/78-18 & #50-287/78-19 on 780815-17 during which 1 item of noncompliance was noted: testing of alarms.
BEBECKER, K. H., GILLESPIE, F. P. Region 2, Atlanta, Office of the Director. 78/09/18. 1p. 94173:361.

7810130056 Ack receipt of IE Insp Repts 50-269/78-17, 50-270/78-17 & 50-287/78-18 on 780807. No proprietary info.
PARKER, W. D. Duke Power Co. 78/09/27. 1p. 94079:185.

--7810130060 Forwards IE Insp Rept 50-269/78-17, 50-270/78-17 & 50-287/78-18 on 780807. No noncompliance noted.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/20. 2pp. 94079:186.

--7810130064 IE Insp Repts 50-269/78-17, 50-270/78-17 & 50-287/78-18 on 780807. No noncompliance noted. Major areas inspected: whole body counting practices & test count of NRC phantom.
O'BENON, A. F. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/20. 4pp. 94079:188.

781030221 States that prog has been established to address IE Circular 78-08 Review of adequacy of qualifications of each piece of equip will be completed by 790416.
PARKER, W. D. Duke Power Co. 78/09/29. 1p. 02724:250.

7810230287 Forwards IE Circular#78-17. (See AND: 7810230221, Docket 50-313, 781013)
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/10/13.
1p. 94165:005.

7811100089 Forwards IE Circular 78-18.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/06.
1p. 94113:183.

--7811280398 IE Inspec Repts#50-269/78-22, #50-270/78-22 & #50-287/78-22 on 780918-22 during which no items of noncompliance were noted. Major areas inspected included: unresolved items, special repts, action on IEC 78-08.
LEWIS, R. C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/18. 6pp. 94397:254.

7812120053 Forwards reproductions of articles that appeared in June & Aug 1978 editions of Nuc Security Safeguards Newsletter.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/17. 4pp
94278:072

7812050021 Ack receipt of 781120 ltr informing NRC of steps taken to correct violations noted during inspect#50-269/78-15, #50-270/78-15 & #50-287/78-15.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/20. 1p. 94200:270

--7812050025 Responds to 780929 NRC ltr re violations noted in Inspec Repts#50-269/78-15, #50-270/78-15 & #50-287/78-15. Corrective actions: entrances to interim waste facil posted w/radiat signs & spent fuel cask rebolted & retorqued for shipment.
PARKER, W. D. Duke Power Co. 78/10/25. 4pp. 94200:271.

--7812050029 Forwards IE Inspec Repts#50-269/78-15, #50-270/78-15 & #50-287/78-15 on 780726-28 & 780801-04 & Notice of Violation.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/09/29. 2pp. 94200:275.

--7812050030 Notice of Violation from Inspec on 780726-28 & 780901-04, * Region 2, Atlanta, Office of the Director. 78/09/29. 1p.
94200:277.

--7812050031 IE Inspec Repts#50-269/78-15, #50-270/78-15 & #50-287/78-15 on 780726-28 & 780801-04 during which 2 items of noncompliance were noted: failure to properly pack cask for shipment & to perform radiat surveys in interim waste bldg.
HOBEY, C. M., JENKINS, Q. R., O'BENON, A. F. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/28. 11pp. 94200:278.

7812040326 Ack receipt of 781106 ltr informing NRC of steps taken to correct violations noted during inspect#50-269/78-20, #50-270/78-20, #50-287/78-21.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/22. 1p. 94130:353

--7812040328 Responds to 781018 NRC ltr re violations noted in Inspec Repts#50-269/78-20, #50-270/78-20, #50-287/78-21. Corrective actions: door lock mod to prevent unlocking w/o key.
PARKER, W. D. Duke Power Co. 78/11/06. 2pp. 94130:354.

--7812040332 Forwards IE Inspec Repts#50-269/78-20, #50-270/78-20, #50-287/78-21 & Notice of Violation.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/10. 2pp. 94130:356.

--7812040335 Notice of Violation from Inspec on 780911-15, * Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/18. 1p. 94130:358.

--7812040339 IE Inspec Repts#50-269/78-20, #50-270/78-20, #50-287/78-21 on 780911-15 during which 1 item of noncompliance was noted: failure to keep entrance to high radiat area locked.
HOBEY, C. M., O'BENON, A. F. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/18. 6pp. 94130:359.

7812040363 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12. W/enc1 AND: 7811300055.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/24.
1p. 94127:166.

7812070317 Ack receipt of IE Insp Repts 50-269/78-21 & 50-287/78-22 on 780919-21. Does not consider any info therein to be proprietary.
PARKER, W. D. Duke Power Co. 78/11/28. 1p. 94084:339.

--7812070319 Forwards IE Insp Repts 30-269/78-21 & 30-287/78-22 on 780919-21 during which no items of noncompliance were noted
MURPHY, C. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch 78/11/02. 2pp. 94084:340.

--7812070320 IE Insp Repts 30-269/78-21 & 30-287-22 on 780919-21 during which no items of noncompliance were noted. Major areas inspected incl. Corrective action on previously identified infraction #237/78-14-01.
CONLON, T. E., ECONOMIC, N. Region 2, Atlanta, Reactor Construction & Engineering Support Branch 78/11/01. 7pp. 94084:342.

7812130306 Ack receipt of IE Insp Repts #30-269/78-26, #30-270/78-25 & #30-287/78-26 on 781023-27. Does not consider any info therein to be proprietary.
PARKER, W. O. Duke Power Co. 78/12/05. 1p. 94159:278

--7812130311 Forwards IE Insp Repts #30-269/78-26, #30-270/78-25 & #30-287/78-26 on 781023-27 during which no items of noncompliance were noted.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/21. 2pp. 94159:279.

--7812130317 IE Insp Repts #30-269/78-26, #30-270/78-25 & #30-287-22 during which no items of noncompliance were noted. Major areas inspected incl: review of past flow, pur & pur distrib anomalies.
BURNETT, P. T. Region 2, Atlanta, Office of the Director.
JULIAN, C. A. Region 2, Atlanta, Reactor Operations Nuclear Support Branch.
BETTENHAUSEN, L. Region 1, Philadelphia, Office of the Director 78/11/20. 5pp. 94159:281.

7812140041 Ack receipt of IE Insp Repts #30-269/78-29, #30-270/78-21 & #30-287/78-29 on 781106-08. Does not consider any info to be proprietary.
PARKER, W. O. Duke Power Co. 78/12/05. 1p. 94127:267.

--7812140046 Forwards IE Insp Repts #30-269/78-29, #30-270/78-21 & #30-287/78-29 on 781106-08 during which no items of noncompliance were noted.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/22. 2pp. 94127:268

--7812140048 IE Insp Repts #30-269/78-29, #30-270/78-21 & #30-287/78-29 on 781106-08 during which no items of noncompliance were noted. Major areas inspected incl: plant oper & restoration of sys following refueling outage.
JAPPE, F., LEWIS, R. C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/22. 6pp. 94127:270.

7812140053 Ack receipt of IE Insp Repts #30-269/78-24, #30-270/78-23 & #30-287/78-24 on 781017-20 & 781101-03. Does not consider any info therein to be proprietary.
PARKER, W. O. Duke Power Co. 78/12/05. 1p. 94126:330.

--7812140055 Forwards IE Insp Repts #30-269/78-24, #30-270/78-23 & #30-287/78-24 on 781017-20 & 781101-03 during which no items of noncompliance were noted.
KENNA, W. D. Region 2, Atlanta, Safeguards Branch. 78/11/29. 2pp. 94126:331.

--7812140059 IE Insp Repts #30-269/78-24, #30-270/78-23 & #30-287/78-24 on 781017-20 & 1101-03 during which no items of noncompliance were noted. Major areas inspected incl: facil organization, shipping & receiving & storage.
HODGES, J. W., CLAY, E. L., WILLIAMS, O. H. Region 2, Atlanta, Safeguards Branch 78/11/24. 4pp. 94126:333.

7812290092 Forwards IE Bulletin 78-14.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/12/19. 2pp. 03695:189.

R. Periodic operating reports & related correspondence

7810200082 Forwards Monthly Oper Rept for Sept 1978
PARKER, W. O. Duke Power Co. 78/10/16. 1p. 94366:343.

--7810200083 Monthly Oper Rept for Sept 1978.
REAVIS, J. E. Duke Power Co. 78/10/16. 16pp. 94366:344.

7810240082 Forwards Quarterly 780601-780831 rept on Jocassee Area Seismic Activity.
PARKER, W. O. Duke Power Co. 78/10/16. 1p.

--7810240077 Quarterly Seismic Activity Rept, (6-1-78 to 8-31-78). Decreased Seismicity in Jocassee area represents diminishing size and no. of joints at greater depths.
TALMAN, P., STEVENSON, D., BAUBER, J. South Carolina, Univ., of. 78/10/16. 19pp.

7812210157 Forwards Monthly Oper Rept for Nov 1978.
PARKER, W. O. Duke Power Co. 78/12/15. 1p. 94278:185.

--7812210160 Monthly Oper Rept for Nov 1978.
REAVIS, J. Duke Power Co. 78/12/15. 16pp. 94278:186.

B. Reportable occurrences, LERs & related correspondence

7812130169 Forwards LER#78-014/03L-0.
PARKER, W. O. Duke Power Co. 78/12/07. 1p. 94294:352.

7812190153 Forwards LER#78-015/03L-0.
PARKER, W. O. Duke Power Co. 78/12/08. 1p. 94340:198

--7812190156 LER#78-015/03L-0 on 780731:RPS Channel A, RC flow indication began reading high on 780729 & was valued out-of-svc on 780731 caused by leak in pressure transmitter impulse line. Leaking fittings were repaired.
WILSON, K. R. Duke Power Co. 78/12/08. 2pp. 94340:159.

7812290209 Forwards LER#78-016/03L-0.
PARKER, W. O. Duke Power Co. 78/12/22. 1p. 94190:344.

--7812290214 R0W287/78-16 on 781123:EB Channel A Wide-range pressure indication drifted high & was manually tripped due to excessive moisture in penetration caused by leaking roof.
* Duke Power Co. 78/12/22. 2pp. 94190:345.

--7812290218 LER#78-016/03L-0 on 781123:EB Channel A wide-range pressure indication drifted high & was manually tripped due to excessive moisture in penetration caused by leaking roof.
WILSON, K. R. Duke Power Co. 78/12/22. 1p. 94190:347.

DOCKET 50-288 REED COLLEGE RESEARCH REACTOR

O. Inspection reports, IE Bulletins & correspondence

7811060007 Forwards IE Insp Rept #30-288/78-03 on 780911-13 during which no items of noncompliance were noted.
BOOK, H. E. Region 3, San Francisco, Fuel Facility & Materials Safety Branch. 78/09/29. 2pp. 94422:211.

--7811060008 IE Insp Rept #30-288/78-03 on 780911-13 during which no items of noncompliance were noted. Major areas inspected incl: radiat control, environ monitoring & emergency planning.
BOOK, H. E., BAIRD, J. B. Region 3, San Francisco, Fuel Facility & Materials Safety Branch. 78/09/29. 6pp. 94422:213.

DOCKET 50-289 THREE MILE ISLAND NUCLEAR STATION, UNIT 1

F. Security, medical, emergency & fire protection plans

7810300137 Forwards fire svc water piping drawing for TMI-1. Drawing available in Central Files only.
HERBEIN, J. O. Metropolitan Edison Co. 78/10/24. 1p. 94195:317.

7811070135 Notification of implementation of smoking prohibition in safety-related areas of facility. Hose reels to be installed per 780612 ltr & Item 3.1.2 of fire protection safety evaluation in order to suppress relay room cable tray fires.
HERBEIN, J. O. Metropolitan Edison Co. 78/10/31. 1p. 94195:335.

7811070101 Forwards summary of fire loading for sub j facility to satisfy Item 3.2.9 of fire protection safety evaluation rept.
HERBEIN, J. O. Metropolitan Edison Co. 78/11/01. 14pp. 94195:321.

7811080204 Forwards table identifying fire hazard analysis of fire doors which will be electrically locked & alarmed by 780215; those mechanically locked closed when not in use, & those not unlocked or alarmed but kept closed when not in use.
HERBEIN, J. O. Metropolitan Edison Co. 78/11/01. 3pp. 94195:339.

7811270155 Forwards Revision 4 to physical security plan. Withheld (ref 10CFR2.790).
HERBEIN, J. O. Metropolitan Edison Co. 78/11/17. 1p. 94253:352.

7812060168 Responds to 780919 fire protection safety evaluation rept. Documentation search completed re fire rating of TMI-1 fire doors. Forwards fire hazards analysis drawings.
HERBEIN, J. O. Metropolitan Edison Co. 78/12/01. 5pp. 94270:282.

DOCKETED ITEMS

7812190113 Responds to NRC 780917 ltr re fire protection program. No further fire protection measures needed in cable route area between fuel pool & control bldg to ensure safe shutdown.
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/13. 6pp. 94137:331.

H General correspondence

7810230199 Informs that 780830 Tech Spec Change Request 77 re ring girder surveillance test is subj to Class II amend fee.
MILLER, W. D. License Fee Management Branch. 78/10/11. 1p. 94195:316.

7810300148 Appointment of new licensing mgr for GPU Svc Corp.
WALLACE, E. G. General Public Utilities - GPU Service Corp. 78/10/23. 1p. 94035:115.

7810300153 Informs of appointment of new licensing manager for General Public Utilities Svc Corp.
WALLACE, E. G. General Public Utilities - GPU Service Corp. 78/10/23. 1p. 94035:116.

781210248 Requests payment of Class II fee for 780830 application re ring girder surveillance test. Amend classified by NRC 781011 ltr as Class II.
MILLER, W. D. License Fee Management Branch. 78/11/29. 1p. 94195:352.

7812080212 Ack receipt of 780623 application for amend to DPR-50 & fee payment. Finds action is Class III & requests payment of addl fee.
MILLER, W. D. License Fee Management Branch. 78/11/30. 1p. 94195:360.

7812280161 Emphasizes importance of submitting accurate & complete info to NRC. Info must be substantiated by data. NRC must be notified of inaccuracies to avoid enforcement action.
DAVIS, J. Q. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94311:350.

7812120092 Advises that Generation Licensing Section (Production Supervision) moved back to Pottsville Pike location on 781213. Forwards new telephone numbers.
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/12. 1p. 94274:204.

P. Operating license stage documents & correspondence

781010148 Forwards hose stretch test results & recommendations. Fire hose reels will be added to room w/decay heat svc coolers at all elevations except 306 ft elevation of control room bldg & reactor bldg.
HERBEIN, J. Q. Metropolitan Edison Co. 78/10/05. 3pp. 94137:322.

7811020228 Requests addl info re consequences of crane failures when handling heavy loads in order to complete review for facility. Also requests submital within 45 days of amend to Tech Spec Change Request 38.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/16. 3pp. 94193:318.

7810240119 Forwards NPDES Noncompliance Notification 78-22 re waste filter sys discharge sample with pH in excess of permit limitation.
TROFFER, G. J. Metropolitan Edison Co. 78/10/17. 2pp. 00001:235.

7811010246 Notification of 781026 meeting w/util re aircraft crash data for TMI-2.
BLIVER, H. Light Water Reactors Branch 4. 78/10/19. 1p. 00001:251.

781140103 Advises of discharge of 1,100 gallons of water which bypassed industrial waste treatment sys. Caused by increase in flow to facility turbine bldg sump.
TROFFER, G. J. Metropolitan Edison Co. 78/11/03. 2pp.

7811401143 Forwards NPDES Noncompliance Notification 78-23 on 781026, sample from industrial waste filter sys discharge had pH of 9.4. Caused by rise of pH during test while pH monitors were malfunctioning.
TROFFER, G. J. Metropolitan Edison Co. 78/11/06. 2pp. 94271:008.

7811280389 Forwards request for addl info re 780313 application to amend DPR-50 by increasing frequency for checking calibr accuracy of power range nuclear instrumentation.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/06. 3pp. 94137:319.

7812150109 Notification of workshops for training & qualification of personnel per 10CFR73. App B Requests advance registration of attendees Registration form & list of locations encl.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 5pp.

7812190039 Forwards NUREG-0473, Revision 1. 'Draft Radiological Effluent Tech Specs for PWRs' & NUREG-0133. 'Preparation of Radiological Effluent Tech Specs for Nuclear Power Plants.' w/o encl.
GRIMES, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94137:325.

7811290343 Notification of 781122 meeting w/util to discuss proposed mode to eliminate need for prompt action in responding to small break LOCA worst single failure.
ZWETILO, O. B. Operating Reactors Branch 4 (Pre 790625). 78/11/17. 2pp. 94193:351.

7811300037 Informs that NRC has contracted to undertake a series of post-licensing studies to analyze socioeconomic impacts of nuclear plant const.
DEVOUNO, R. C. Division of Site Safety & Environmental Analysis. 78/11/20. 2pp. 00002:234.

7811240110 Forwards proposed small break LOCA long-term mod. NRC 780926 ltr did not respond to 780724 util proposal & util believes proposal meets NRC requirements.
HERBEIN, J. Q. Metropolitan Edison Co. 78/11/21. 6pp. 94456:275.

7811280243 Informs NRC that Met Ed will implement STB for TMI-1 mid-cycle instead of at end of 1979 refueling outage. Lists reasons, advantages & disadvantages.
HERBEIN, J. Q. Metropolitan Edison Co. 78/11/21. 2pp. 94137:317.

7812070194 Notice of seminar on 781208 on new model radiological effluent Tech Specs for nuclear plants. Requests advance submission of seminar-specific questions.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/21. 8pp. 94275:069.

7812180045 Forwards Amend 46 to DPR-50, safety evaluation & notice of issuance.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/22. 2pp. 94271:023.

7812180047 Amend 46 to DPR-50, revising Tech Specs by increasing frequency at which heat balance checks are performed to verify calibr of power range nuclear instrumentation.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/22. 7pp. 94133:056.

7812180049 Safety evaluation supporting Amend 46 to DPR-50.
* Office of Nuclear Reactor Regulation, Director. 78/11/22. 2pp. 94133:043.

7812180051 Notice of issuance of Amend 46 to DPR-50.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/22. 2pp. 94133:060.

7812180087 Discusses possible dangers of LOCA in containment purging during normal plant operation. Requests either commitment to limit or justification for continuing purging. Forwards SRP Section 6.2.4, Revision 1 re containment purging.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/29. 6pp. 94270:272.

7812050098 Responds to NRC 781016 ltr re consequences of crane failures when handling heavy loads. Based on answers to NRC questions, no amend to Tech Spec Change Request 38 considered necessary.
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/01. 3pp. 94270:246.

7812060161 Responds to NRC 781011 ltr & contends that Tech Spec Change Request 77 clearly simplifies facility Tech Specs. No further review by NRC of ring girder insp program required.
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/01. 2pp. 94270:249.

7812080090 Forwards Tech Spec Change Request 85 re DPR-50 re deletion of numbers from Table 3.16.1. Certificate of Svc & Class II amend fee encl.
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/04. 13pp. 94270:260.

7812100281 Responds to 781121 ltr & requests addl info re schedule for implementing mod to eliminate reliance of facility on operator action following small break LOCA.

7812290049 Summary of 781122 meeting w/uttl in Bethesda, MD re uttl revised proposed mod to eliminate reliance on operator action following small break LOCA. List of attendees & proposed mechanical mods encl.
ZWETZIO, G. B. Operating Reactors Branch 4 (Pre 790623). 78/12/12. 10pp. 00008:042

7812290129 Forwards NPDES Noncompliance Notification 78-25.
TROFFER, G. J. Metropolitan Edison Co. 78/12/19. 2pp.

7812290086 Forwards responses to NRC 781208 ltr re installation of long-term solution to small break LOCA problem. Prudent time for installing mod is during 1980 TMI-1 refueling outage.
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/21. 3pp.

G. Inspection reports, IE Bulletins & correspondence

7810160250 Forwards IE Bulletin 78-12, "Atypical Weld Matl in Reactor Pressure Vessel Welds." Licensee action required. W/o encl.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/09/29. 6pp. 94471:302.

7810200228 Notification of meeting on 781012-13 w/Met Ed re TMI-1 inservice insp program per 10CFR50.55a(g) & to discuss licensee submittal & responses to questions.
ZWETZIO, G. B. Operating Reactors Branch 4 (Pre 790623). 78/10/05. 2pp.

7810250196 Notification of meeting w/Met Ed, rescheduled for 781018-19, to discuss TMI-1 inservice insp program per 10CFR50.55a(g) & to discuss licensee submittal & responses to questions.
ZWETZIO, G. B. Operating Reactors Branch 4 (Pre 790623). 78/10/05. 1p. 94137:314.

781060186 Forwards IE Circular 78-17, W/o encl.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/10/13. 1p. 00001:265.

7812010345 Forwards licensee performance evaluation for Region 1. No operating reactor in Region 1 considered to have either abnormal or unusual safety concern.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/01. 4pp. 00002:259.

781220199 Forwards IE Circular 78-18, "UL Fire Test."
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/06. 1p. 00002:226.

7812010005 Repts on status of review of 770817 & 770930 submittals re inservice insp & testing. Forwards request for addl info & minutes of 781018-19 meetings. Requests reply within 14 days.
REID, R. W. Operating Reactors Branch 4 (Pre 790623). 78/11/20. 12pp. 94271:011.

7812010140 Summary of 781018 & 19 meeting re 770817 & 0930 licensee submittals on inservice insp & testing of pumps, valves, component pressure boundaries, conflicts between code & safety requirements & concerning pressure isolation valves.
ZWETZIO, G. B. Operating Reactors Branch 4 (Pre 790623). 78/11/20. 7pp. 94195:333.

7812270047 Forwards IE Insp Rept 50-289/78-18 & 50-320/78-31 on 781006, 10-12 & 17-19 & notice of violation.
SMITH, G. H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/11/21. 3pp. 00007:362.

--7812270051 Notice of violation from insp on 781006, 10-12 & 17-19.
* Region 1, Philadelphia, Office of the Director. 78/11/21. 2pp. 00007:002.

--7812270057 IE Insp Rept 50-289/78-18 & 50-320/78-31 on 781006, 10-12 & 17-19. Noncompliance noted: failure to barricade high radiation area or maintain records of effluent sampling.
PLUMLEE, K. E., BERABIAN, J. A. Region 1, Philadelphia, Office of the Director. 78/11/15. 12pp. 00008:004.

7812130144 Forwards IE Bulletin 78-12A, "Atypical Weld Matl in Reactor Pressure Vessel Welds."
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/24. 1p. 94212:202.

7812200171 Forwards answers to NRC 781120 questions re inservice insp & testing program. Preparing revision program submitted until 770817 & 0930
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/13. 17pp. 94271:025.

R. Periodic operating reports & related correspondence

781210184 Forwards monthly operating rept for Oct 1978.
HERBEIN, J. Q. Metropolitan Edison Co. 78/11/15. 1p. 94488:077.

--781210186 Monthly operating rept for Oct 1978.
MITCHELL, D. O. Metropolitan Edison Co. 78/11/09. 5pp. 94488:078.

7812190166 Forwards monthly operating rept for Nov 1978.
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/13. 1p. 94137:337.

--7812190170 Monthly operating rept for Nov 1978.
MITCHELL, D. O. Metropolitan Edison Co. 78/12/13. 4pp. 94137:338.

B. Reportable occurrences, LERs & related correspondence

7810100090 Forwards LER 78-029/01T-0.
HERBEIN, J. Q. Metropolitan Edison Co. 78/09/28. 1p. 94271:007.

--7810100099 LER 78-029/01T-0: on 780914, temp sensor for A emergency diesel generating room found to be inoperable & fire watch not established within 1-h. Caused by personnel error. Procedural guidance will prevent recurrence.
MITCHELL, D. O. Metropolitan Edison Co. 78/09/28. 2pp. 94033:170.

7810310184 Forwards LER 78-30/03L-0.
HERBEIN, J. Q. Metropolitan Edison Co. 78/10/20. 1pp. 94137:315.

--7810310192 LER 78-30/03L-0: on 780923, borated water found in heater terminal box due to cladding ruptures. Caused by hot spot from evaporator tank crud buildup.
STANLEY, W. B. Metropolitan Edison Co. 78/10/20. 1p. 94137:316.

781070191 Forwards LER 78-027/01T-0, W/o encl.
HERBEIN, J. Q. Metropolitan Edison Co. 78/10/27. 1p. 94195:336.

7812110146 RD 78-31/4P: river water temp change exceeded Tech Spec limits. Caused by low inlet temp & high ambient temp & relative humidity, resulting in inability of mechanical draft cooling towers to cool discharge water properly.
SEELINGER, J. L. Metropolitan Edison Co. 78/12/05. 1p. 94195:331.

7812260191 Forwards LER 78-031/04T-0.
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/15. 1p. 94270:344.

--7812260194 LER 78-031/04T-0: on 781204, station river water discharge delta temp limit of 12 F was exceeded by 2 F. Caused by heating of station river discharge by mechanical draft cooling towers.
NIELSEN, E. S. Metropolitan Edison Co. 78/12/15. 2pp. 94159:161.

V. Operator Examinations

781150145 Forwards applications for senior operator licenses for JB Logan, CE Hartman, RW Zechman, HB Shipman & ED Hemmilla.
MILLER, G. P. Metropolitan Edison Co. 78/09/14. 2pp.

DOCKET 50-290 PROOF TEST FACILITY

F. Security, medical, emergency & fire protection plans

7810310076 Forwards rev to copies & thru 10 of subg facil security plan dtd 780926. Revs reflect latest changes in proposed security sys & procedures. Revs are proprietary (ref 10CFR2.790).
GILLELAND, J. E. Tennessee Valley Authority. 78/10/25. 79pp. 94094:315.

G. Inspection reports, IE Bulletins & correspondence

7812030037 IE Inspec Repts 50-259/78-21, 50-260/78-23 & 50-296/78-20 on 780828-0901 during which no items of noncompliance were noted. Major areas inspected incl: reportable occurrences & followup on IE bulletins & circulars.
SULLIVAN, R. F. Region 2, Atlanta, Office of the Director. 78/10/26. 10pp.

DOCKET 50-293 PILGRIM NUCLEAR POWER STATION, UNIT 1

F. Security, medical, emergency & fire protection plans

781150168 Forwards suppl info re mods to security plan dtd 781005, which is withheld pursuant to 2.790.
ANDRONINI, G. C. Boston Edison Co. 78/11/06. 1p. 94271:225.

7812290230 Ack receipt of 781005 & 781106 ltrs re changes to security plan. Concurs w/ the finding that these changes do not decrease the effectiveness of the plan.
IPPLITD.T.A. Operating Reactors Branch 3 (Pre 790625). 78/12/21.
2pp. 94191:204

I. Financial Information

7810230205 Forwards tabular data on earnings for Aug 1978.
BUTLER, R.M. Boston Edison Co. 78/10/16. 3pp. 94195:188

7812050228 Forwards BECD 1977 Annual Rpt & BECD Form 10-Q for quarter ending 780930 as filed w/BEC 1979 Cash Flow Forecast & narrative statement of curtailment of capital expenditures also encl. available in CF & PDR only.
KELMOM, R.M. Boston Edison Co. 78/11/29. 43pp. 94201:201.

K. Utility Final Safety Analysis Report (FSAR) & amends

7811140132 Forwards suppl info to proposed lic amend of 781016 re changes pertaining to receipt, possession & use of byproduct, source & special nuc matl. Encl is rev to FSAR updating source inventory to comply w/Reg Guide 1.70.3
ANDOGNINI, Q.C. Boston Edison Co. 78/11/02. 3pp. 94425:247

7812260218 Forwards Rev#1 to Emergency Plan & Amend#38 to FSAR.
ANDOGNINI, Q.C. Boston Edison Co. 78/12/18. 2pp. 94162:099

--7812260223 Rev 1 to Emergency Plan, Amend 38 to FSAR. Majority of revised pages correct typographical errors.
ANDOGNINI, Q.C. Boston Edison Co. 78/12/18. 77pp. 94162:101.

P. Operating license stage documents & correspondence

7810170136 Responds to 780807 NRC request for evaluation of reactor protect sys pur supply. Believes that continued safe oper of subj facil is justified. Gen Elec will rept on failure modes & effects by mid-Nov. Public health & safety not affected.
ANDOGNINI, Q.C. Boston Edison Co. 78/10/05. 3pp. 94236:008

7810180113 Informs NRC that info requested re effects of elevated temp on safety relief valve discharge loads will be submitted by 781115 instead of 781001 due to delay in completing transient analyses.
ANDOGNINI, Q.C. Boston Edison Co. 78/10/10. 1p.

7810250107 Requests amend to facil operating Lic#DPR-35 pertaining to receipt, possession & use of byproduct, source & special nuc matl. Amend may produce more flexibility in plant oper by generalizing approach to lic.
FELDMANN, M.J. Boston Edison Co. 78/10/16. App.

7811030001 Notice of 781018 meeting w/Boston Edison in Bethesda, MD to discuss BECD proposal to provide augmented diesel generator for startup w/1 diesel generator inoper.
HANNON, J.N. Operating Reactors Branch 3 (Pre 790625). 78/10/18. 3pp. 02720:216.

7810270105 Responds to 780915 ltr request for proposal of corrective measures as recommended by NRC Staff re Emergency diesel generator control & alarm circuitry. Response is considered acceptable for the stated conditions for each criteria.
ANDOGNINI, Q.C. Boston Edison Co. 78/10/20. 3pp. 94059:292.

7811130335 Summary of 780914 meeting w/GE representatives & Mark I Owners Group re progress of Long Term Prog w/attendance list & agenda (RD-9-A-Mark I Standards).
GRIMES, C. Plant Systems Branch (Pre 791030). 78/10/26. 67pp.

7811070185 Forwards memo summarizing operating history of the "B" diesel generator & 3 unique situations that resulted in abnormal stresses. Concludes that failure of "D" generator stator were not generic problems, but unique to the "B" unit.
ANDOGNINI, Q.C. Boston Edison Co. 78/10/31. 2pp. 94044:191.

7811290288 Responds to 781106 request for info concerning licensee reg performance eval for Region 1 plants by NRC. Provides details.
GRIER, B.H. Region 1, Philadelphia, Office of the Director. 78/11/09. 9pp.

7812150139 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. w/encl Registration Form & List of Locations.
MILLER, J.R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 5pp.

7812180259 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for BWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
GRIMES, B.H. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94363:316

7811270163 Responds to 771212 request for info & forwards detailed analysis of suppression pool temp transients & monitoring. Concludes that inadvertent opening of safety relief valve will have no adverse effect in pool or reactor vessel.
ANDOGNINI, Q.C. Boston Edison Co. 78/11/20. 36pp. 94386:169.

7812060223 Registers intent to utilize packaging (UBA/9122/A, model#18-450) for shipment of Type A & large quantities of radioactive matl. Licensed packaging user of record is Chem-Nuc Sys, Inc.
ANDOGNINI, Q.C. Boston Edison Co. 78/11/21. 1p. 94382:165.

7812070155 Notice of seminar on new Model Radiological Effluent Tech Specs for nuc pur plants. Requests advance submission of seminar specific questions w/encl Seminar Info Sheet, Proposed Agenda & maps.
GRIER, B.H. Region 1, Philadelphia, Office of the Director. 78/11/21. 8pp. 94375:208

7812080272 Ack receipt of 780227 ltr re need for feedwater pump trip on reactor high water level. Finds proposed sched for installation acceptable.
IPPLITD.T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/28. 2pp. 94202:223.

7812110058 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND:
#7812080207
IPPLITD.T. Operating Reactors Branch 3 (Pre 790625). 78/11/29. 8pp. 94337:142.

7812110166 Advises that Mark I Containment Prog OE Rept, "NEDE-22898-A Analytical Model for Computing Water Rise in a Safety/Relief Valve Discharge Line Following Valve Closure" has been transmitted to NRC. Should be included on subj facil dkt.
ANDOGNINI, Q.C. Boston Edison Co. 78/11/30. 1p. 94337:085

7812140176 Forwards Oct 1978 Prog Activity Review listing meetings held & providing task-by-task activity summary for the month.
BOBON, L.J. General Electric Co. 78/12/04. 11pp.

7812210258 Responds to Quality Assurance requirements published in 770804 Fed Register. Subj Facil's prog was approved in 751112 NRC ltr, but facil will extend the scope of that prog to the lic shipping casks now used.
ANDOGNINI, Q.C. Boston Edison Co. 78/12/06. 2pp. 94162:353.

7812280138 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J.Q. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94310:348.

781210367 Forwards addl info re multiple consecutive safety/relief valve actuation of Mark I containment program.
BOBON, L.J. General Electric Co. 78/11/13. 3pp.

G. Inspection reports, IE Bulletins & correspondence

7811000008 Forwards IE Inspec Rept#50-293/78-22 on 780905-08 during which no items of noncompliance were noted.
BRUNNER, E.J. Region 1, Philadelphia, Office of the Director. 78/09/27. 2pp. 94179:258.

--7811100012 IE Inspec Rept#50-293/78-22 on 780905-08 during which no items of noncompliance were noted. Major areas inspected included: plant ops, IE Circular 78-08, IE Bulletin 78-03 & LER review.
* Region 1, Philadelphia, Office of the Director. 78/09/26. 9p. 94179:260.

7810160080 Forwards Rept on Mgt Meeting#50-293/78-23 held at subj facil on 780928.
BRUNNER, E.J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/28. 2pp. 94003:229.

--7810160082 IE Mgt Meeting Rept#50-293/78-23 on 780928 re recent ins findings to provide licensee w/info on inspec program.
ARCHITZEL, R.E., MCCABE, E.C. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/28. 3pp. 94003:231.

7810170029 Forwards IE Bulletin#78-12 "Atypical Weld Material in Reactor Pressure Vessel Welds" requesting action w/in 60 days. & list of IE Bulletins issued in 1978. (see AND 7810040253)
ORIER, D. H. Region 1, Philadelphia, Office of the Director.
78/09/29. 6pp 94241:360

7810160176 Forwards IE Circular#78-17. (See AND 7810230221.Docket #50-133. 781013)
ORIER, D. H. Region 1, Philadelphia, Office of the Director
78/10/13. 1p. 94489:117

7810170210 Forwards IE Circular #78-18. "UL Fire Test "H/encl AND: 781150002
ORIER, D. H. Region 1, Philadelphia, Office of the Director
78/11/06 1p 94237:341

7812200300 Forwards IE Inspec Rept#50-293/78-24 on 781003-06 during which no items of noncompliance were noted.
MARTIN, W. G. Region 1, Philadelphia, Safeguards Branch. 78/11/08. 2pp. 94349:356

--7812200309 IE Inspec Rept#50-293/78-24 on 781003-06 during which no items of noncompliance were noted. Major areas inspected incl. physical protec. inspec. implementation of accepted Security Plan & sections of 10CFR73.55.
MADDEN, W., LABUN, R., DEVLIN, J. Region 1, Philadelphia, Office of the Director. 78/11/07. 1p. 94349:338

7812000185 Responds to 780929 NRC ltr & IE Bulletin#78-12 requesting info re reactor welds. Requests extension to 781231 for responses as contractor OE needs time for compilation
ANDCONINI, G. G. Boston Edison Co. 78/11/14 1p. 94109:205.

7812150121 Forwards IE Bulletin#78-12A, suppl to IE Bulletin#78-12
W/encl AND: 7811300055
ORIER, D. H. Region 1, Philadelphia, Office of the Director.
78/11/24. 1p 94212:153.

R. Periodic operating reports & related correspondence

7810100130 Forwards Monthly Oper Rept for Sept 1978
MCQUIRE, P. J. Boston Edison Co. 78/10/01 1p 94413:002

--7810100131 Monthly Oper Rept for Sept 1978
* Boston Edison Co. 78/10/12 6pp 94413:003

7811210263 Forwards Monthly Oper Rept for Oct 1978
MCQUIRE, P. J. Boston Edison Co. 78/11/01 1p 94405:350

--7811210269 Monthly Oper Rept for Oct 1978.
* Boston Edison Co. 78/11/01. 7pp. 94485:287

7812200183 Forwards Monthly Oper Rept of Nov 1978.
MCQUIRE, P. J. Boston Edison Co. 78/12/01 1p. 94158:351.

--7812200185 Monthly Oper Rept for Nov 1978.
GAFFNEY, C. Boston Edison Co. 78/12/11. 6pp. 94158:352.

B. Reportable occurrences, IERs & related correspondence

7810310150 Forwards LERN#78-045/03L-0.
MCQUIRE, P. J. Boston Edison Co. 78/10/24. 1p. 94090:214.

--7810310163 LERN#78-045/03L-0 on 780926 indicator needle for TI-5047 water temp gage snapped off from dusting, since the needle had been exposed by a broken protec. covering.
MATHIAS, C. J. Boston Edison Co. 78/10/24. 1p. 94090:215.

7811000152 Forwards LERN#78-047/03L-0.
MCQUIRE, P. J. Boston Edison Co. 78/11/02. 1p. 94399:321.

--7811000156 LERN#78-047/03L-0 on 781002 Position of Chief Radiol Engr was incorp into FNPB organization which assumed responsibilities of Health Physics Organization. Caused by efforts to improve quality of Health Physics Prog.
MATHIAS, C. J. Boston Edison Co. 78/11/02. 1p. 94399:322.

7811090161 Forwards LERN#78-046/03L-0.
MCQUIRE, P. J. Boston Edison Co. 78/11/02. 1p. 94043:031.

--7811090168 LERN#78-046/03L-0 on 781006 oxygen analyzer valves CV-3065-12, CV-3065-16 & CV-3065-25 appeared inoperable, but local observation showed valves working properly. Caused by switch misalignment. LERN inconsistent w/LERN in cover ltr.
MATHIAS, C. J. Boston Edison Co. 78/11/02. 2pp. 94043:032

7811140207 Forwards LERN#78-048/03L-0
MCQUIRE, P. J. Boston Edison Co. 78/11/07 1p 94384:345.

--7811140212 LER 78-048/03L-0 on 781009 reactor screamed on a load rejection causing generator lockout relay trip. Cause was excessive pilot seat leakage keeping second stage & main valve open. Relief/safety valve replaced
MATHIAS, C. J. Boston Edison Co. 78/11/07 1p 94384:346

7811140183 Forwards LERN#78-049/03L-0
MCQUIRE, P. J. Boston Edison Co. 78/11/10 2pp. 94384:256

--7811140188 LER 78-049/03L-0 on 781011. While performing surveillance testing on diesel generator B, generator output breaker tripped due to short from one coil to stator. Caused by loose laminations. Coils replaced & test re-run satisfactorily.
MATHIAS, C. J. Boston Edison Co. 78/11/10. 2pp. 94384:257.

7811210341 Forwards LERN#78-050/04T-0.
MAQUIRE, P. J. Boston Edison Co. 78/11/14. 1p. 94484:338.

--7811210345 LERN#78-050/04T-0 on 781106. Yankee environ lab indicated that 63901/kg of CO-60 existed in sample mussel meat. This exceeds by 10 times the concentration measured at Marshfield control station. Resulted from new analysis technique
MATHIAS, C. J. Boston Edison Co. 78/11/14 1p 94484:339

7811280333 Forwards LERN#78-051/01X-0
MCQUIRE, P. J. Boston Edison Co. 78/11/22. 1p 94395:351.

--7811280335 LERN#78-051/01X-0 on 781030 # of operable SRM's was reduced below minimum req when SRM "A" was jumpered to eliminate problems w/downscale rod block. Caused by inadvertent jumpering of entire "A" SRM trip logic. Procedures being rev
* Boston Edison Co. 78/11/22 1p. 94395:352.

7812040173 Forwards LERN#78-052/03L-0
MCQUIRE, P. J. Boston Edison Co. 78/11/27. 1p 94456:232

--7812040176 LERN#78-052/03L-0 on 781028. BJAEE offgas radiat monitor readings were low caused by shut block valve to FCV-118. Valve was opened. Proper flow rate established. Valve will be properly identified in future by personnel.
MATHIAS, C. J. Boston Edison Co. 78/11/27. 1p. 94456:233

7812050185 Forwards LERN#78-053/01T-1.
MCQUIRE, P. J. Boston Edison Co. 78/11/29. 1p. 94335:173.

--7812050192 LERN#78-053/01T-0 on 781116 during repair of fire hydrant facing condenser retube bldg. shut-off valve blew off line causing local flooding & removal of fire suppression from Bvc. Cause was improper reinstallation at retube bldg constr.
MATHIAS, C. J. Boston Edison Co. 78/11/29 1p 94335:174.

7812120135 Forwards LER 78-051/01T-0
MCQUIRE, P. J. Boston Edison Co. 78/12/05 1p. 94276:180.

--7812120141 LER 78-051/01T-0 on 781121. noted that on 781030 number of operable source range monitors reduced below Tech Spec minimum when monitor A was jumpered to eliminate problems w/downscale rod block. Caused by personnel & maint error.
MATHIAS, C. J. Boston Edison Co. 78/12/05. 3pp. 94276:181.

7812180168 Forwards LERN#78-054/03L-0.
MCQUIRE, P. J. Boston Edison Co. 78/12/08. 1p. 94366:037.

--7812180172 LERN#78-054/03L-0 on 781115 during test of reactor water level. level switches L18-263-37A&B observed to trip at values greater than specified in Tech Specs. Caused by minor setpoint drift.
MATHIAS, C. J. Boston Edison Co. 78/12/08. 1p. 94366:038.

DOCKET 50-295 ZION NUCLEAR POWER STATION, UNIT 1

7811240200 Forwards LERN#78-091/03L-0.
HANDKE, N. E. Commonwealth Edison Co. 78/10/13 1p. 94458:344.

F. Security, medical, emergency & fire protection plans

7810120080 Forwards analysis of Electrical Cable Penetration Fire Barrier Test conducted on 780619. Also forwards 3rd party observer rpt of test & 5 detailed drawings associated w/test.
NAUGHTON, W. F. Commonwealth Edison Co. 78/09/29. 44p.

DOCKETED ITEMS

7812120195 Informs NRC name of fire protec consulting firm hired by CEIL to fulfill requirements of "Fire Protec Organization of Nuc Plant Fire Protec Functional Responsibilities Admin Controls & QA" will be submitted 790201
NAUGHTON, W. F. Commonwealth Edison Co 78/11/30 2pp.

7812270365 Forwards correction of item 3 2 3 of fire protec BER Requests delay in advising licensee of acceptability until there is a response to encl 2 of 780626 ltr
LAINE, B. O. Plant Systems Branch (Pre 791030) 78/12/07 1p
94229:016

Q Adjudicatory correspondence

7811130202 "Agreed Motion for Special Prehearing Conference & to Set Sched for Further Proc" on 781120, 21 or 22 to hear oral arguments & rule on motions to dismiss & to allow citizens to enter limited appearances.
STEPTOE, P. Commonwealth Edison Co. SCHELL, S. Illinois, State of 78/10/24 3pp. 03553:255.

7811240022 Amended contentions of St of IL re amends to Oper Lic# DPR-39 & 48 to increase spent fuel storage capacity at subg Facils. Asserts that to approve amend would be contrary to NRC policy position Cert of Bvc & affidavit encl.
BEKULER, S. N. Illinois, State of 78/11/01. 9pp 94458:167

7811170012 "Order for Special Prehearing Conference." The 781024 joint motion of Petitioner, Applicant & Reg Staff for special prehearing conference is granted & set for 781120
LUTON, E. Atomic Safety and Licensing Board Panel. 78/11/02. 2pp.
94116:123

7811200423 Notice of appearance by G Cunningham in proceedings re subg Facils on behalf of NRC. Cert of Bvc encl.
CUNNINGHAM, G. H. Office of the Executive Legal Director. 78/11/02. 2pp 94419:185.

7812040311 Commonwealth Edison Co Motion to strike contentions & supporting memo submitted by IL Atty General on 781101 Requests that Amended Contentions #2, #6D & #16 be stricken
ROWE, J. W., STEPTOE, P. P. Isham, Lincoln & Beale. 78/11/09 17pp.
94129:188.

7812050047 Motion to amend Contention 6A of Intervenor's amended Contentions filed 781101 by stating that there has been insufficient dev of all credible accident scenarios in subg proc
BEKULER, S. N. Illinois, State of. 78/11/09 3pp. 94334:159

--7812050051 Memorandum in support of amend contentions Believes staff & Applicant should not be allowed to use the special prehearing conference as means to circumvent the summary disposition process. W/encl Cert of Bvc.
BEKULER, S. N. Illinois, State of. 78/11/09. 14pp. 94334:162

7812050054 NRC Staff brief in opposition to the admission of Illinois' proposed contentions 2, 6A, 6D, & 16 re proposed mod of spent fuel pool. Staff views cover non-emergency licensing of storage Facils, contention wording, vagueness & irrelevance
GODDARD, R. J. Office of the General Counsel. 78/11/09. 7pp.
94334:231.

7812120211 Submits typographical corrections to "Memo in Support of Certain Amended Contentions" filed on 781109 by State of IL W/Cert of Bvc.
BEKULER, S. N. Illinois, State of. 78/11/13. 2pp. 94276:066

7812120223 Notice of appearance by A Bielawski as counsel for util in proceedings re subg Facils. Cert of Bvc encl.
BIELAWSKI, A. P. Isham, Lincoln & Beale. 78/11/16. 2pp. 94277:127.

7812270335 Opposes Commonwealth Edison request to increase spent fuel storage at subg Facils. Feels it will become a permanent dump.
ROBERTS, M. Affiliation Unknown. 78/11/20. 1p. 94230:286.

7812270371 Notification that respondent has been added to svc lists for legal & tech branch documents re Spent Fuel Pool Mod proc for subg Facils as of 781127 & previous papers in Formal File are encl. (w/o encl).
GODDARD, R. J. Office of the Executive Legal Director. 78/12/05. 1p.
94229:023.

J Insurance & indemnity information

7812190109 Requests refund of \$6 per mut in excess indemnity fee paid

D Advisory Committee on Reactor Safeguards reports & correspondence

7812060394 Notice of ACRS Subcommittee on Plant Arrangements 781026 open meeting at 8:30 AM in Washington, DC to review NRC Generic Issue. Sys Interaction in Nuc Pur Plants. Task A-17 & Zion Station Sys Interaction Study
HOYLE, J. C. Office of the Secretary of the Commission 78/09/25 2pp. 94382:351.

P. Operating license stage documents & correspondence

7812080026 FOIA request for all records incl quantity of radioactive matl disposed of from former Manhattan proj in IL known as Chicago Piles #1, 2 & 3 Matl disposed of in IL by Lindsay Cos at Morris Facil & Dresden Facil
HANSELL, D. Illinois, State of 78/11/06 2pp

7810100025 Current schedule for submittal to NRC Staff of required rev ECCS analysis & associated Tech Spec changes is 780105 We Scheduled rev analysis for subg Facil to begin late 781031
NAUGHTON, W. F. Commonwealth Edison Co 78/10/03. 1p. 94033:043

7810120098 Request for addl info on Startup Physica Testing Rept of 781015
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625) 78/10/03. 3pp 94474:019

7810120035 Lic# DPR-39 & DPR-48 appl for amend to Tech Specs proposed incorporating ECCB flow requirements re a blow balance test & tamper-proof covers for manual throttle valves.
REED, C. Commonwealth Edison Co 78/10/05. 7pp 94332:299

7810180060 Forwards drawing: "Location & Details of Reactor Coolant Pump Trip Pans" for subg Facil as fire protec response
NAUGHTON, W. F. Commonwealth Edison Co. 78/10/10. 1p.

7810200113 Responds to 780829 NRC request for overpressure protec Tech Spec. States that util will submit requested info by 781201
NAUGHTON, W. F. Commonwealth Edison Co 78/10/13 2pp. 94367:342

7810250102 Renewal of request to amend Facil operating lic# DPR-39 & DPR-48 Proposed amend is a combined class I & class III Amend & does not require extensive environ impact rept. Tech Spec & Environ impact statement encl
REED, C. Commonwealth Edison Co. 78/10/13. 17pp.

7810230194 Requests withdrawal of proposed amend to Facil lic# DPR-39 & DPR-48 originally submitted in ltr of 760720. Completion of mod re lake discharge tanks necessitates proposed amend be cancelled
NAUGHTON, W. F. Commonwealth Edison Co 78/10/17 1p. 94052:277.

7810300097 Forwards info in response to 780831 NRC ltr re pipe cracks in chem val control due to excessive charging pump vibrations.
NAUGHTON, W. F. Commonwealth Edison Co. 78/10/24 2pp. 94033:072

7810100069 Forwards addl info re proposed expansion of spent fuel storage capacity of subg Facil in response to 780926 NRC request Responds to 27 NRC questions
NAUGHTON, W. F. Commonwealth Edison Co. 78/10/24. 69pp. 94302:283

781070168 Requests change to Oper Lic# DPR-39 & DPR-48 Tech Spec, extending rod bow penalty curve & EFPH clad collapse limits to incl higher region average fuel burnups
REED, C. Commonwealth Edison Co. 78/10/27. 7pp. 94044:150.

7811400002 Notifies applicant of 781128 NRC-sponsored seminar re Mod Radiological Effluent Tech Specs for Nuc Pur Plants W/encl Seminar Info Sheet (to be completed & returned by 781117) & Proposed Agenda.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/11/07. 6pp.

7811210410 Provides addl info in response to questions 13 & 15 in 781024 ltr re leakage rate from spent fuel pool liner, surface dose rate as spent fuel pool, potential impact of proposed spent fuel pool mod re gaseous effluents.
NAUGHTON, W. F. Commonwealth Edison Co. 78/11/08. 3pp. 94483:123

7811300147 Forwards "Licensing Rept for Subg Facil Spent Fuel Rack Mod" in response to 780203 request.
GODDARD, R. J. Office of the Executive Legal Director. 78/11/03. 94072:031.

7811270104 Summary of 781025 meeting w/Subcomm on Plant Arrangements of Advisory Comm on Reactor Safeguards re Sandia Labs presentation of Sys Interaction Methodology Appl in Nuc Pur Plants & subj facil sys interaction study. ANGELO, J. Division of Project Management. 78/11/13. 36pp. 94223:294.

7812180021 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. W/enc1 Registration Form & List of Locations. MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 3pp. 94133:281

7812190011 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133). ORMES, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94214:274.

7812170091 Forwards suppl to Facil Cycle 3 Startup Rept re Further Demonstration of Adequate Shutdown Margin & responses to NRC questions re Cycle 3 Startup Rept. Subj facil completed Cycle 3 oper on 780914. REED, G. Commonwealth Edison Co. 78/11/16. 23pp. 94047:216.

7812050107 Forwards rev page to Topical Rept CE-1-A: "Qual Assurance Prog. Rev 6." Rev reflects Reg Guide 2.8 & 1.33 rev. TURBAK, M. S. Commonwealth Edison Co. 78/11/17. 2pp.

7812080213 Forwards current lic status list for subj facili. W/enc1. REED, G. Commonwealth Edison Co. 78/11/20. 9pp.

7811300042 Informs CEIL that NRC has contracted w/Mountain West Res Inc to undertake a series of post-licensing studies of nuc pur stations. Studies will analyze socioecon impacts which occurred during constr & post-constr periods of each plant. DEYOUNG, R. C. Division of Site Safety & Environmental Analysis. 78/11/20. 2pp. 94071:037.

7812270127 Forwards Commonwealth Edison "Add'l Info on Proposed Expansion of Spent Fuel Storage Capacity" dtd 781108. W/enc1. BIELAWSKI, A. P. Isham, Lincoln & Seals. 78/11/27. 1p. 94161:084.

7812180116 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/enc1 AND 7812080207. SCHWENGER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/28. 6pp. 94130:317.

7812080095 Forwards CEIL's Proj Mileposts sched for subj Facili fuel pool mode. Also included are brief statements providing bases for these mileposts. Requests that NRC staff expedite its review sched to meet 790201 & 790515 completion dates. REED, G. Commonwealth Edison Co. 78/11/29. 4pp. 94107:292.

7812180236 Forwards Amend#40 to Oper Lic#DPR-39 & Amend#37 to Oper Lic#DPR-48. Also forwards Safety Eval Rept & Notice of Issuance. SCHWENGER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/30. 2pp. 94365:001.

--7812180239 Amend#40 to Oper Lic#DPR-39. Changes Tech Specs to allow boron concentration in pressurizer to be 200 ppm less than reactor coolant loop boron concentration. Corrections are made to Tech Specs. Changes to Tech Specs encl. SCHWENGER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/30. 6pp. 94365:003

--7812180240 Amend#37 to Oper Lic#DPR-48. Changes Tech Specs to allow boron concentration in pressurizer to be 200 ppm less than reactor coolant loop boron concentration. Corrections are made to Tech Specs. Changes to Tech Specs encl. SCHWENGER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/30. 6pp. 94365:009.

--7812180242 Safety Eval Rept in Support of Amend#40 to Oper Lic#39 & Amend#37 to Oper Lic#48. SCHWENGER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/30. 4pp. 94365:015.

--7812180244 Notice of Issuance of Amend#40 to Oper Lic#39 & Amend#37 to Oper Lic#48. SCHWENGER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/30. 2pp. 94365:019.

7812070211 Responds to NRC 780828 ltr requesting overpressure protection Tech Specs. Requests extension to 790215 for submission due to receipt of new info. NAUGHTON, M. F. Commonwealth Edison Co. 78/12/01. 3pp. 03555:115.

7812280129 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result. DAVIS, J. G. Office of Inspection & Enforcement. Office of the Director. 78/12/06. 2pp.

7812030013 Requests views of Regional Directors on Licensee performance eval of subj facili. Forwards questions to be answered by 771209. THORNBURG, H. Division of Reactor Construction Inspection. 77/11/23. 2pp.

7812190097 Accepts topical rept#CE-1-A Rev#6: "Comm Edison Co Quality Assurance Prog for Nuc Generating Stations." Requests submittal of 36 copies. HAAS, W. P. Quality Assurance Branch. 78/12/13. 1p.

7812080278 Discusses preparations for subj facil Extended Burnup Prog incl fuel shipping test & fuel assemblies exam prog. Reaffirms request to NRC to expedite lic mod review & approve changes to higher region average fuel burnup Tech Specs by 781220. REED, G. Commonwealth Edison Co. 78/11/21. 3pp. 94395:219.

G. Inspection reports, IE Bulletins & correspondence

7811080066 Forwards IE Inspec Repts#50-295/78-20 & #50-304/78-22 on 780809-11, 16, 17, 23-25, 30, 31, 0901, 07 & 08 & Notice of Violation. FIDRELL, L. O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/04. 2pp. 94398:274.

--7811080070 Notice of Violation from Inspec on 780809-11, 16, 17, 23-25, 30, 31, 0901, 07, 08. * Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/04. 1p. 94398:276.

--7811080074 IE Inspec Repts#50-295/78-20 & #50-304/78-22 on 780809-11, 16-17, 23-25, 30-31, 0901, 07-08 during which 1 item of noncompliance was noted: preparation for refueling. BOYD, D. C., RIDEN, M. D., KNOP, R. C. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/04. 11pp. 94398:277.

7812030011 Forwards IE Inspec Repts#50-010/78-29, 50-237, -254, -295, -304/78-25, 50-249/78-27 & 50-263/78-26 on 781002 during which no items of noncompliance were noted. KEPLER, J. Q. Region 3, Chicago, Office of the Director. 78/10/30. 2pp.

--7812050027 IE Inspec Repts for subj facili on 781002 during which no items of noncompliance were noted. Major areas inspected incl: discussion of actions being taken by util to improve its reg performance & tour of Zion station. KNOP, R. C. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/30. 3pp.

7812060231 Forwards IE Inspec Repts#50-295/78-24 & #50-304/78-24 on 780913-15, 780920-21, 780927-29 & 781004-05 & Notice of Violation. FIDRELL, L. O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/31. 2pp. 94382:184.

--7812060234 Notice of Violation from Inspec on 780913-15, 780920-21, 780927-28 & 781004-05. * Region 3, Chicago, Office of the Director. 78/10/31. 1p. 94382:186.

--7812060236 IE Inspec Repts#50-295/78-24 & #50-304/78-24 on 780913-15, 20-21, 27-29 & 781004-05 during which 1 item of noncompliance was noted: failure to adhere to conditions of Work Request Authorization. BOYD, D. C., RIDEN, M. D., KNOP, R. C. Region 3, Chicago, Office of the Director. 78/10/31. 6pp. 94382:187.

7811150063 Forwards IE Circular 78-18. KEPLER, J. Q. Region 3, Chicago, Office of the Director. 78/11/06. 1p.

7812130329 Forwards IE Inspec Repts#50-295/78-23 & 50-304/78-23 on 781012-13 during which no items of noncompliance were noted. HEISMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/11/09. 2pp. 94307:047.

--7812130338 IE Inspec Repts#50-295/78-23 & 50-304/78-23 on 781012-13 during which no items of noncompliance were noted. Major areas inspected incl: IE Bulletin & Circular followup & qual of elec equip & independent inspec. HUGHES, J. Region 3, Chicago, Office of the Director. 78/11/09. 6pp. 94307:049.

DOCKETED ITEMS

7812050287 Forwards IE Bulletin#78-12A. suppl to IE Bulletin 78-12
W/enc1 AND 781200055
KEPLER, J. O. Region 3. Chicago. Office of the Director. 78/11/24.
1p

7812280002 Forwards IE Bulletin 78-14.
KEPLER, J. O. Region 3. Chicago. Office of the Director. 78/12/19.
1p 94133 002

A Periodic operating reports & related correspondence

7810180049 Monthly Oper Rpt for September 1978.
SCHNEIDER, H. L. Commonwealth Edison Co. 78/10/03 13pp 94063.065.

7811010141 Forwards rpt entitled "Oper Environ Monitoring in Lake Michigan near subg facil-July 1977 thru June 1978 Vols 1-1V"
WANDKE, N. Commonwealth Edison Co. 78/10/24. 1p 94095.002.

--7811010131 Annual rpt entitled "Oper Environ Monitoring in Lake MI near subg facil-July 1977 thru June 1978" prepared by NALCD Environ Sciences.
* Commonwealth Edison Co. 78/11/01. 1617pp. 94095 003

B Reportable occurrences, LERs & related correspondence

7810170184 Forwards LER#78-078/01L-0.
WANDKE, N. E. Commonwealth Edison Co. 78/09/15. 1p. 94270.052.

--7810170189 LER#78-078/01L-0 on 780818 possible use of atypical weld metal discovered in 4-loop PWR Reactor Vessels in subg facil. Interim RCS heatup & cooldown curves calculated & used to provide adequate conservatism until issue resolved.
SHANNON, R. E. Commonwealth Edison Co. 78/09/15. 3pp. 94270.053

7810170181 Forwards LER#78-084/03L-0
WANDKE, N. E. Commonwealth Edison Co. 78/09/21. 1p. 94270.081.

--7810170187 LER#78-084/03L-0 on 780822 Instru dept found xmtr 1FT-446 failed at 100% Percentages nonconservative for low RC flow Rx trip. Caused by failure of oscillator in transmitter (Fisher-Porter mod#1082496)
ROGERS, C. L. Commonwealth Edison Co. 78/09/21. 1p. 94270.082.

7810170207 Forwards LER#78-082/03L-0.
WANDKE, N. E. Commonwealth Edison Co. 78/09/22. 1p. 94235.339.

--7810170212 LER#78-082/03L-0 on 780802 during normal oper. daily surveillance for DRT-PR17 (radiat monitor for control room intake from turbine bldg) was omitted. Monitor was oper prior to & after missed surveillance. No safety implications.
OST, F. Commonwealth Edison Co. 78/09/22. 1p. 94235.340.

7810180050 Forwards LER#78-083/03L-0
WANDKE, N. E. Commonwealth Edison Co. 78/09/22. 1p.

7810170219 Forwards LER#78-089/01T-0.
WANDKE, N. E. Commonwealth Edison Co. 78/09/25. 1p. 94236.158.

--7810170227 LER#78-089/01T-0 on 780911 during normal oper IC Svc Water Pump was removed for breaker inspect. Other 2 pumps were not immediately verified as operable & their standby AC & DC pur supplies not checked. Caused by personnel error.
* Commonwealth Edison Co. 78/09/25. 4pp. 94236.159.

7810170225 Forwards LER#78-085/03L-0.
WANDKE, N. E. Commonwealth Edison Co. 78/09/26. 1p. 94236.167.

--7810170228 LER#78-085/03L-0 on 780827 discovered missing belt on unit 1 containment area post sampler blower. New belt installed.
WANDKE, N. E. Commonwealth Edison Co. 78/09/26. 1p. 94236.168.

7810170214 Forwards LER#78-086/03L-0.
WANDKE, N. E. Commonwealth Edison Co. 78/09/29. 1p. 94236.151.

--7810170223 LER#78-086/03L-0 on 780830 containment isolation valves 1FCV-WD17A, 1FCV-PR20A, and 1FCV-PR24B failed during test. Valves failed due to oil in instru air.
WANDKE, N. E. Commonwealth Edison Co. 78/09/29. 1p. 94236.152.

7810170241 Forwards LER#78-087/01T-0.
WANDKE, N. E. Commonwealth Edison Co. 78/10/02. 1p. 94236.326.

--7810170246 LER#78-087/01T-0 on 780902 while 1A diesel generator was out of svc for testing, 1B diesel failed to start due to improper staking of starting air distributor drive bushing causing shift in starting air timing. Bushing was restaked.
ALINGER, K. A. Commonwealth Edison Co. 78/10/02 2pp 94236.327

7810170231 Forwards LER#78-088/03L-0
WANDKE, N. E. Commonwealth Edison Co. 78/10/06 1p 94236.177

--7810170234 LER#78-088/03L-0 on 780908 During normal oper channel 1L-5 was found reading higher than other 2 level channels on loop D by over 5% Caused by steam leak on root valve on the reference line of XMTR
ROGERS, C. L. Commonwealth Edison Co. 78/10/06 1p. 94236.170.

7811240127 Forwards LER#78-092/03L-0
WANDKE, N. E. Commonwealth Edison Co. 78/10/13. 1p. 94456.352.

--7811240129 LER#78-092/03L-0 on 780914 an inadvertent SI occurred when 1A diesel generator was started due to bent plunger spring causing failure of engine trip lockout solenoid valve (ABCD B320) Valves replaced & springs checked
ALINGER, K. A. Commonwealth Edison Co. 78/10/13 2pp 94456.353.

7811240197 Forwards LER#78-094/03L-0
WANDKE, N. E. Commonwealth Edison Co. 78/10/13 1p. 94458.303.

--7811240198 LER#78-094/03L-0 on 780914 on a phase A isolation, 1FCV-PR2 & 1FCV-WD17A failed to close placing containment isolation sys in degraded mode Caused by ABCD B320 solenoid valve failing to close due to oil in instru air
UGOLINI, D. J. Commonwealth Edison Co. 78/10/13. 1p 94458.304

7811240201 LER#78-091/03L-0 on 780914 Damper switching sequence from normal to accident mode caused pressure differential in 1B RCFC Pressure differential caused accident inlet damper blades to flex & bend Switching sequence to be changed
JOHNSON, R. Commonwealth Edison Co. 78/10/13 1p. 94458.345.

7811240212 Forwards LER#78-090/03L-0
WANDKE, N. E. Commonwealth Edison Co. 78/10/13. 1p. 94463.358.

--7811240213 LER#78-090/03L-0 on 780914 channel 1L-538 read higher than 1L-539. 1L-538 was found to be out of tolerance & appropriate bistables were tripped. Caused by steam leak on root valve (3/4 inch manual global sensing line)
ROGERS, C. L. Commonwealth Edison Co. 78/10/13. 1p. 94463.359.

7811240221 Forwards LER#78-093/03L-0
WANDKE, N. E. Commonwealth Edison Co. 78/10/13. 1p. 94458.217

--7811240223 LER#78-093/03L-0 on 780914 Following inadvertent SI, 1CRCP failed to low speed auto start due to dirty contacts in the low speed hand switch. Operating surveillance rev to keep dirty contacts clean.
JOHNSON, R. Commonwealth Edison Co. 78/10/13. 1p. 94458.210

7811240227 Forwards LER#78-096/03L-0.
WANDKE, N. E. Commonwealth Edison Co. 78/10/27. 1p. 94458.201.

--7811240229 LER#78-096/03L-0 on 780904 channel 1L-537 higher than 2 redundant channels due to steam leak on root valve (3/4", Manual, Global sensing line XMTR. Channel failed again on 780908 Root valve replaced.
ROGERS, C. Commonwealth Edison Co. 78/10/27. 1p 94458.202

7811240205 Forwards LER#78-097/03L-0.
WANDKE, N. E. Commonwealth Edison Co. 78/11/03. 1p. 94458.330.

--7811240206 LER#78-097/03L-0 on 781004 Unit 1 component cooling radiat monitor would not respond to check source Caused by water damaged detector in detector Well & defective rate board.
TRZYNA, O. Commonwealth Edison Co. 78/11/03. 2pp. 94458.331.

7811240207 Forwards LER#78-102/03L-0.
WANDKE, N. E. Commonwealth Edison Co. 78/11/03. 1p. 94458.333.

--7811240208 LER#78-102/03L-0 on 781006 Westinghouse reported 0.5% error in APDMS limit calculations due to roundoff & addl apparent error totaled 1.5% creating potential for exceeding APDMS limits. Caused by 2.1x format of APDMS calculations.
PERDINKIS, O. C. Commonwealth Edison Co. 78/11/03. 1p. 94458.334.

7908080684 Notification of deficiency found 780913 in valve cross

WANDKE, N. E. Commonwealth Edison Co. 78/11/17. 1p. 94339:318.

--7812110129 LERW78-106/03L-0 on 781030: during refueling outage surveillance, noted that feed water flow Xmt 1LT-531 had shifted in excess of Tech Spec limits. Caused by transmitter drift. Xmt recalibr & channel returned to normal.
RODERB, C. L. Commonwealth Edison Co. 78/11/17. 1p. 94339:319.

7812110144 Forwards LERW78-100/03L-0.
WANDKE, N. E. Commonwealth Edison Co. 78/11/17. 1p. 94393:267.

--7812110147 LERW78-100/03L-0 on 781018: Containment air particulate monitor, JRE0011 blower continually tripped due to low flow. Caused by improper valve lineup of monitor.
MEYER, B. A. Commonwealth Edison Co. 78/11/17. 1p. 94393:268.

7812110157 Forwards LERW78-107/03L-0.
WANDKE, N. E. Commonwealth Edison Co. 78/11/17. 1p. 94337:075.

--7812110159 LERW78-107/03L-0 on 781020 during refueling surveillance, noted that steam generator ID level channel 1L-548 had drifted above Tech Spec accuracy limit. Caused by instru drift of transmitter Instru subsequently recalibr.
HANSBEN, P. W. Commonwealth Edison Co. 78/11/17. 1p. 94337:076.

7812110161 Forwards LERW78-104/03L-0.
WANDKE, N. E. Commonwealth Edison Co. 78/11/17. 1p. 94337:081.

--7812110163 LERW78-109/03L-0 on 781020: during refueling surveillance noted that steam generator ID level channel 1L-538 was 5X high, exceeding 2X loop tolerance. Caused by blocked instru line leading to transmitter. Line subsequently cleared.
HANSBEN, P. W. Commonwealth Edison Co. 78/11/17. 1p. 94337:082.

7812110151 Forwards LERW78-110/03L-0.
WANDKE, N. E. Commonwealth Edison Co. 78/11/20. 1p. 94339:361.

--7812110154 LERW78-110/03L-0 on 781021: surveillance level xmt's 950, 981 for accumulator A & 956, 957 for accum D were found out of tolerance low. Caused by instru drift.
CAMPBELL, J. Commonwealth Edison Co. 78/11/20. 1p. 94339:362.

7812110173 Forwards LERW78-113/03L-0.
WANDKE, N. E. Commonwealth Edison Co. 78/11/20. 1p.

--7812110180 LERW78-113/03L-0 on 781021: trip point for reactor coolant flow comparator on channel 1F-414 loop A drifted low by 2.625%, exceeding overall loop accuracy of 2X. Caused by setpoint drift in channel comparator (Hagen Model 1118).
HANSBEN, P. W. Commonwealth Edison Co. 78/11/20. 1p. 94337:102.

7812110160 Forwards LERW78-120/03L-0.
WANDKE, N. E. Commonwealth Edison Co. 78/11/22. 1p. 94337:077.

--7812110164 LERW78-120/03L-0 on 781027: 5 snubbers which had empty reservoirs were proven inoperable when bench tested. Caused by hydraulic fluid leakage. Leakage sources: reservoir seals, leaking body joints & adjustment screw thread seals.
RICHARDSON, C. K. Commonwealth Edison Co. 78/11/22. 3pp. 94337:078.

7812110179 Forwards LERW78-115/99L-0.
WANDKE, N. E. Commonwealth Edison Co. 78/11/22. 1p. 94337:090.

--7812110182 LERW78-115/99L-0 on 780314: subJ facil did not possess Cert of Compliance for packages for 12 shipments of radioactive mat'l. 10CFR71.12 had been misinterpreted to apply to Hittman Nuclear packages. Registered w/NRC to use Hittman packages.
REDCOX, F. Commonwealth Edison Co. 78/11/22. 3pp. 94337:099.

7812210203 Forwards LERW78-121/03L-0.
WANDKE, N. E. Commonwealth Edison Co. 78/12/01. 1p. 94279:093.

--7812210213 LERW78-121/03L-0 on 781101: MSIV 1D from Train A did not close when signal was removed, caused by relay plunger sticking.
MELNICOFF, M. A. Commonwealth Edison Co. 78/12/01. 1p. 94279:094.

7812120121 Notification of deficiency found 780913 in valve cross assemblies, inlet & exhaust push assemblies of K8V Pur Engine & corrective action to design roller pin & replace hand flaring oper.
BENDER, B. B. Cooper Industries, Inc. 78/11/03. 2pp. 94278:329.

7812210214 Forwards LERW78-129/03L-0.
WANDKE, N. E. Commonwealth Edison Co. 78/12/06. 1p. 94279:112.

was incorrectly valved. Identification of personnel & cause of event could not be determined. Control room is being investigated.
TRZYNA, Q. Commonwealth Edison Co. 78/12/06. 1p. 94279:113.

7812210227 Forwards LERW78-122/03L-0.
WANDKE, N. E. Commonwealth Edison Co. 78/12/07. 1p. 94279:127.

--7812210228 LERW78-122/03L-0 on 781107: fuel bldg area radiat monitor WORE0005 alarmed high due to erroneous readings in control room & local readouts. Caused by failed OM tube/detector replaced.
MEYER, B. A. Commonwealth Edison Co. 78/12/07. 1p. 94279:128.

7812210234 Forwards LERW78-095/99x-0.
WANDKE, N. E. Commonwealth Edison Co. 78/12/11. 1p. 94279:161.

--7812210239 LERW78-095/99x-0 on 780914: shortly after reactor trip an inadvertent safety injection occurred from a false delta P steam pressure signal, generated from shock of feedwater hammer. No damage resulted from safety injection.
REISS, J. F. Commonwealth Edison Co. 78/12/11. 3pp. 94279:162.

T. Hearing transcripts on non-antitrust matters

7812040047 Transcript of 781120 hearing re subJ facil spent fuel pool expansion, pp1-180.
LUTON, E., REMICK, F. J., LITTLE, L. W. Atomic Safety and Licensing Board Panel. 78/11/20. 181pp. 01791:057.

7812040045 Transcript of 781121 hearing re subJ facil spent fuel pool expansion, pp 181-287.
LUTON, E., REMICK, F. J., LITTLE, L. W. Atomic Safety and Licensing Board Panel. 78/11/21. 107pp. 94326:179.

DOCKET 50-296 BROWN'S FERRY NUCLEAR POWER STATION, UNIT 3

7810110107 Responds to 780829 ltr indicating there have been no incidents of control rods failing to fully insert on demand at subJ facili.
GILLELAND, J. E. Tennessee Valley Authority. 78/10/05. 1p. 94066:333.

F. Security, medical, emergency & fire protection plans

7812000200 Forwards re: Physical Security Plan of subJ facili re installation of emergency lighting fixtures. Requests withholding from pub disclosure per 10CFR2.790.
GILLELAND, J. E. Tennessee Valley Authority. 78/11/15. 1p. 94252:036.

H. General correspondence

7812210336 Comments on 780927 constituent ltr to Legomarsino re validity of the Reactor Safety Study, the subJ facili fire, & the operating performance of commercial nuc pur plants.
ODDBICK, L. V. Office of the Executive Director for Operations. 78/12/12. 13pp. 94014:305.

J. Insurance & indemnity information

7812010256 Forwards Policy#MF-66, Endorsement#37 for subJ facili. States advance premium \$94768.89, reserve premium \$71349.36 & return premium \$3125.17.
FIEDLER, J. Nuclear Insurance Consultants. 78/11/28. 2pp.

7811090096 Advance premium & standard premium endorsement for 1978.
BARDEB, C. R. Nuclear Energy Liability Insurance Association. 78/10/11. 1p. 94042:141.

K. Utility Final Safety Analysis Report (FSAR) & amendments

7812200244 Forwards Amend#67 which rev FSAR to reflect current plant configuration. Amend does not req review & is available in PDR.
GILLELAND, J. E. Tennessee Valley Authority. 78/11/30. 2pp. 94159:001.

--7812200246 Amend#67 to FSAR, Vols 1-7. This amend does not req review. It merely rev FSAR to reflect current plant configuration.
* Tennessee Valley Authority. 78/11/30. 2900pp.

7811170113 Reports that NRC will assist Los Alamos Scientific Lab team in performing vital area analysis at subj facil during the week of 781126.
GILLELAND, J.E. Tennessee Valley Authority. 78/11/13. 1p. 94047:145

7811170215 Responds to NRC questions prompted by Gilleland's 780811 ltr requesting Tech Spec changes. Change ensures reconfiguration of IRM's & IRM's & will be placed in non-coincidence trip mode.
MILLS, L.M. Tennessee Valley Authority. 78/11/13. 1p. 94136:122.

7811200080 Requests addl info for review of recirculation pump trip for use to mitigate Anticipated Transient w/o Scram. Info due w/in 60 days.
LEAR, O. Operating Reactors Branch 3 (Pre 790625). 78/05/18. 5pp.

7811200131 Notice of issuance of Amend#40 to Facil Operating Lic# DPR-33, Amend#38 to Facil Operating Lic# DPR-52 & Amend#14 to Facil Operating Lic# DPR-68, rev Tech Specs for oper of subj facil. Amends lower low water level setpoint.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/08/02. 2pp. 94411:287.

7810230244 Forwards responses to verbal questions re proposed changes to Tech Specs of subj facil as submitted 780322.
GILLELAND, J.E. Tennessee Valley Authority. 78/10/10. 5pp. 94170:242.

7810270239 Requests addl info for review of reload for cycle 2 oper of subj facil. Requests partial responses to questions as info is dev'd. Full responses w/in 30 days.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/10/10. 3pp. 94029:218.

7810240153 Forwards addl info re proposed differential pressure control & torus water level Tech Specs for subj facil.
GILLELAND, J.E. Tennessee Valley Authority. 78/10/18. 3pp.

7810240144 In response to 780807 ltr to N.B. Hughes, the recommended surveillance of reactor prot. sys will continue. Request responses date extension to 781215.
GILLELAND, J.E. Tennessee Valley Authority. 78/10/19. 1p.

7810250080 Response to 781010 ltr requesting addl info to complete review of reload analysis for cycle 2 oper of subj facil. Info supplied re QDYN licensing code, analysis of Limiting Pressure & Pwr Increase transient, turbine trip, startup test.
GILLELAND, J.E. Tennessee Valley Authority. 78/10/20. 4pp.

7811130335 Summary of 780914 meeting w/OE representatives & Mark I Owners Group re progress of Long Term Prog w/attendance list & agenda (RD-9-A-Mark I Standards).
GRIMES, C. Plant Systems Branch (Pre 791030). 78/10/26. 67pp.

7811070132 Forwards hydrostatic pressure testing prog for subj facil.
GILLELAND, J.E. Tennessee Valley Authority. 78/11/03. 17pp. 94039:001.

7811200406 Forwards results of measurements of radioactive matl in NRC phantom on whole body counter. Encl 1 contains actual amount of each radionuclide present; encl 2 gives ratio of measurements to DOE values & encl 3 gives recommendations.
BUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/09. 8pp. 94419:305.

7811210286 Notifies util of 781205 seminar in Atlanta to discuss new Model Rod Effluent Tech Specs & encl seminar info sheet, registration form & proposed agenda.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/09. 3pp. 94485:212.

7811300049 Forwards NRC staff paper, Policy Session Item (SECY-78-554) re licenses re performance evaluation. Three methods for evaluation are: (statistic), trend analysis & regional survey method. W/o encl.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/15. 2pp. 94071:051.

7812150148 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. W/encl Registration Form & List of Locations.
MILLER, J.R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 5pp.

GRIMES, B.K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94356:340.

7812050003 Forwards Amend#44, 40 & 17 to Lic# DPR-33, DPR-52 & DPR-68 safety eval & Notice of Issuance.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 3pp. 94200:021.

--7812050009 Amend#44 to Oper Lic. Permits average pwr range monitor sys to be inoperable in refuel mode; permits less than 3 intermediate range monitors per trip channel to be oper in shutdown mode & clarifies Tech Specs re: rod block monitor.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 2pp. 94200:024.

--7812050017 Amend#40 to Oper Lic. Permits average pwr range monitor sys to be inoperable in refuel mode; permits less than 3 intermediate range monitors per trip channel to be oper in shutdown mode & clarifies Tech Specs re: rod block monitor.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 2pp. 94200:055.

--7812050022 Amend#17 to Oper Lic. Permits average pwr range monitor sys to be operable in refuel mode; permits less than 3 intermediate range monitors per trip channel to be oper in shutdown mode & clarifies Tech Specs re: rod block monitor.
* Operating Reactors Branch 3 (Pre 790625). 78/11/16. 16pp. 94200:084.

--7812050023 Concludes amends do not involve significant hazards, health & safety of public will not be endangered by oper in proposed manner & activities in compliance w/regs.
* Office of Nuclear Reactor Regulation, Director. 78/11/16. 9pp. 94200:102.

--7812050026 Notice of Issuance of Amend#44 to Lic# DPR-33, Amend#40 to Lic# DPR-52 & Amend#17 to Lic# DPR-68 which revise Tech Specs.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 3pp. 94200:111.

7812050012 Forwards Amend#45, 41 & 18 to Facil Oper Lic# DPR-33, DPR-52 & DPR-68 rev Tech Specs as requested in 780803 ltr w/Safety Evaluation & Notice of Issuance.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/18. 2pp. 94200:188.

--7812050016 Amend#45, 41 & 18 to Facil Oper Lic# DPR-33, DPR-52 & DPR-68 rev Tech Specs to incorp minor changes for leak testing containment isolation & check valves. Amend#18 changes limit of 2000 MWD/t fuel exposure.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/18. 60pp. 94200:190.

--7812050019 Safety Evaluation Rpt supporting Amend#45, 41 & 18 to Facil Oper Lic# DPR-33, DPR-52 & DPR-68 concluding that proposed changes are acceptable & safety of pub will not be endangered by oper in proposed manner.
* Office of Nuclear Reactor Regulation, Director. 78/11/18. 18pp. 94200:230.

--7812050020 Notice of Issuance of Amend#45, 41 & 18 to Facil Oper Lic# DPR-33, DPR-52 & DPR-68.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/18. 2pp. 94200:268.

7811280255 Forwards rev to pump & valve testing prog which suppl 780925 ltr. Rev are based on further review of ASME Section XI requirements.
GILLELAND, J.E. Tennessee Valley Authority. 78/11/22. 13pp. 02725:322.

7812110029 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND:
#7812080207.
IPPOLITO, T. Operating Reactors Branch 2 (Pre 790625). 78/11/29. 8pp. 94408:101.

7812050171 Responds to 781118 NRC ltr issuing Amend#18 to Facil Oper Lic# DPR-68. Concludes NRC-approved MCPR oper limits are conservative & transients need not be reanalyzed. Requests Tech Spec change approval by 790228.
GILLELAND, J.E. Tennessee Valley Authority. 78/11/30. 8pp. 94326:126.

7812050189 Informs that due to delays, complete response re suppression pool temp transients will be submitted by 780315.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/01. 1p. 94336:123.

7812140176 Forwards Oct 1978 Prog Activity Review listing meetings held & providing task-by-task activity summary for the month.
BOBON, L. J. General Electric Co. 78/12/04 1pp

7812200141 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVID, J. O. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94310:334.

7812200194 Provides details of mod motor-generator set characteristics w/postulated M-O set oper modes for low-pressure coolant injection valve pur supply. Installation will be delayed until end of 2nd refueling outage of Unit 3.
GILLELAND, J. E. Tennessee Valley Authority. 78/12/13 4pp. 94420:271

7812200256 Responds to NRC ltr of 780807 re reactor protec sys pur supply at suby facil TVA does not believe that concerns expressed by NRC are a problem. Further surveillance of the reactor protec sys supplies is unwarranted.
GILLELAND, J. E. Tennessee Valley Authority. 78/12/13 1p 94206:001.

7812270175 Due to incomplete resolution of invsc prog for Unit 1, submittal of rev Tech Specs has been postponed until after details of Unit 3 invsc inspec prog are resolved.
GILLELAND, J. E. Tennessee Valley Authority. 78/12/19 1p. 94017:341

7812290217 Responds to 781129 NRC ltr re containment purging during normal plant oper & request for info re design of all safety actuation signal circuits which incorp a manual feature.
Responses will be submitted by 790301.
GILLELAND, J. E. Tennessee Valley Authority. 78/12/21. 2pp. 94191:188.

781210367 Forwards addl info re multiple consecutive safety/relief valve actuation of Mark 1 containment program.
BOBON, L. J. General Electric Co. 78/11/13. 3pp.

0 Inspection reports, IE Bulletins & correspondence

7811090198 Ack receipt of 781016 ltr informing NRC of steps taken to correct violations noted during inspec#50-259/78-18, #50-260/78-19 & #50-296/78-17.
KENNA, W. B. Region 2, Atlanta, Office of the Director. 78/10/26 1p. 94038:260.

--7811090204 Responds to 780825 NRC ltr re violations noted in Inspec Repts#50-259/78-18, #50-260/78-19 & #50-296/78-17. Corrective actions are exempt from disclosure IAW 10CFR2 790.
GILLELAND, J. E. Tennessee Valley Authority. 78/10/16. 1p. 94038:261.

7811130006 Ack receipt of 781010 ltr informing NRC of steps taken to correct violations noted during inspec#50-259/78-17, #50-260/78-19 & #50-296/78-16.
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/31. 1p. 94075:275.

--7811130013 Responds to 780915 NRC ltr re violations noted in Inspec Repts#50-259/78-17, #50-260/78-18 & #50-296/78-16. Corrective actions: 1B & 3A RHR heat exchangers inspected & tank test initiated.
GILLELAND, J. E. Tennessee Valley Authority. 78/10/10 2pp. 94077:012.

--7811130018 Forwards IE Inspec Repts#50-259/78-17, #50-260/78-18 & #50-296/78-16 on 780725-28 & Notice of Violation.
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/15. 2pp. 94075:276.

--7811130022 Notice of Violation from inspec on 780725-28.
* Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/15. 1p. 94075:280.

--7811130049 IE Inspec Repts#50-259/78-17, #50-260/78-18 & #50-296/78-16 on 780725-28 during which 1 item of noncompliance was noted: release of radioactive effluents above limits.
TROUP, O. L., GIBSON, A. F. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/15. 8pp. 94075:282.

7812120051 Forwards reproductions of articles that appeared in June & Aug 1978 editions of Nuc Security Safeguards Newsletter.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/17. 4pp. 94278:068.

7810310060 Ack receipt of 780127 ltr informing NRC of steps taken to correct violations noted during inspec #50-259/77-26, #50-260/77-26 & #50-296/77-26.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Branch. 78/03/01 1p. 94094:129

--7810310064 Responds to 780103 NRC ltr re violations noted in Repts #50-259/77-26, #50-260/77-26 & #50-296/77-26. Corrective actions are exempt from disclosure due to security info contained in response.
GILLELAND, J. E. Tennessee Valley Authority. 78/01/21 94094:130

--7810310069 Forwards IE Inspec Repts #50-259/77-26, #50-260/77-26 & #50-296/77-26 on 771213-16 & w/o Notice of Violation, which pursuant to 2.790.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Branch. 78/01/03 2pp. 94094:131.

--7810310074 IE Inspec Repts #50-259/77-26, #50-260/77-26 & #50-296/77-26 on 771213-16 during which 1 item of noncompliance was noted: vital green area gate was open & unattended.
BRADFORD, W. H. Region 2, Atlanta, Office of the Director. ALDERSON, C. E. Region 2, Atlanta, Reactor Operations Support Branch. 78/01/03. 5pp. 94094:133

781010265 Forwards IE Inspec Repts#50-259/78-15, #50-260/78-16 & #50-296/78-14 on 780626 during which no items of noncompliance were noted.
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/08/31. 2pp. 94079:142

--7810120004 IE Inspec Repts#50-259/78-15, #50-260/78-16, #50-296/78-14 on 780626 during which no items of noncompliance were noted. Major areas inspected: whole body counting practices & procedures & test count of NRC phantom.
GILLELAND, J. E. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/08/30 4pp.

781010283 Forwards IE Inspec Repts#50-259/78-19, #50-260/78-18 & #50-296/78-17 on 780720-21 during which no items of noncompliance were noted.
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/01. 2pp. 03356:076

--781010286 IE Inspec Repts#50-259/78-19, #50-260/78-18, #50-296/78-17 on 780720-21 during which no items of noncompliance were noted. Major areas inspected included: emergency plant simulated emergency conditions.
FERROTTI, D. J. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/08/31. 4pp. 94079:144.

781010249 Forwards IE Inspec Repts#50-259/78-20, #50-260/78-19 & #50-296/78-17 on 780807-10 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Branch. 78/09/13. 2pp. 94392:160

--781010280 IE Inspec Repts #50-259/78-20, #50-260/78-21 & #50-296/78-19 on 780807-10 during which no items of noncompliance were noted. Major areas inspected: plant operations, reported occurrences & electrical mode.
SULLIVAN, R. F. Region 2, Atlanta, Office of the Director. 78/09/12. 3pp.

781010056 Forwards IE Inspec Rept #50-259/78-24, #50-260/78-23 & #50-296/78-23.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/09/12. 2pp. 94063:246

--781010059 IE Inspec Rept #50-259/78-24, #50-260/78-23 & #50-296/78-23. Meeting held re TVA security program & management changes being implemented.
GILLELAND, J. E. Region 2, Atlanta, Safeguards Branch. 78/09/12. 3pp. 94063:248.

7810230226 Ack receipt of 780922 ltr re corrective steps taken to correct items of noncompliance found in inspec as notified by ltr of 780825.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/09/25. 1p. 94165:093.

--7810230227 Responds to 780825 NRC ltr re violations noted in Repts#50-259/78-18, #50-260/78-19, #50-296/78-17 & #50-296/78-16.
GILLELAND, J. E. Tennessee Valley Authority. 78/09/25. 94165:094.

--7810230230 Forwards IE Inspec Repts#50-259/78-18, #50-260/78-17 & #50-296/78-16 on 780726-28.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/08/25. 3p. 94165:095.

7810230300 Forwards IE Circular#78-17. (See AND 7810230221.Docket 50-313, 781013)
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/10/13
1p 94164:183

7812050169 Forwards IE Inspec Rept#50-296/78-27 on 781017 during which no items of noncompliance were noted.
MURPHY, C. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/10/25 1p 94408:299

--7812050172 IE Inspec Rept#50-296/78-27 on 781017 during which no items of noncompliance were noted. Major areas inspected incl: ultrasonic examination of recirculation nozzles.
ECONOMOS, N. CONLON, T. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/10/20 4pp 94408:300

7812050033 Forwards IE Inspec Repts#50-259/78-21, #50-260/78-23 & #50-276/78-20 on 780828-0901 during which no items of noncompliance were noted.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/27. 2pp. 94334:218.

--7812050037 IE Inspec Repts#50-259/78-21, #50-260/78-23 & #50-296/78-20 on 780828-0901 during which no items of noncompliance were noted. Major areas inspected incl: reportable occurrences & followup on IE bulletins & circulars.
SULLIVAN, R. F., DUZTS, J. E. Region 2, Atlanta, Office of the Director. 78/10/26 10pp. 94334:220.

7811150073 Forwards IE Circular 78-18.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/06.
1p. 94112:288.

7812210355 Forwards IE Inspec Repts#50-259/78-26, #50-260/78-29 & #50-296/78-25 during which no items of noncompliance were noted.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/08. 2pp. 94014:353

--7812210363 IE Inspec Repts#50-259/78-26, #50-260/78-29 & #50-296/78-25 during which no items of noncompliance were noted. Major areas inspected incl: physical security requirements previous items: alarm, access, communications.
BEBECKER, K. H., GILLESPIE, F. P. Region 2, Atlanta, Safeguards Branch. 78/11/08. 4pp. 94014:355.

7812180320 Forwards IE Inspec Repts#50-259/78-25, #50-260/78-28 & #50-276/78-24 on 780925-27 during which no items of noncompliance were noted.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/09. 2pp. 94336:285.

--7812180325 IE Inspec Repts#50-259/78-25, #50-260/78-28 & #50-296/78-24 on 780925-27 during which no items of noncompliance were noted. Major areas inspected incl: refueling plant oper & LER & IE Circulars/Bulletins review.
SULLIVAN, R. F., DANCE, H. C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/09. 6pp. 94336:287.

7812130372 Forwards amended response to IE Bulletin#78-09, describing steps taken to effect a good seal between drywell head & containment flange.
GILLELAND, J. E. Tennessee Valley Authority. 78/11/13. 2pp. 94292:128.

7812040369 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
W/enc AND: 7811000055.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/24.
1p. 94127:177.

7812060015 Ack receipt of 781122 ltr informing NRC of steps taken to correct violations noted during Inspec#50-259/78-22, #50-260/78-25 & #50-296/78-21.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/28. 1p. 94418:338.

--7812060021 Responds to 781027 NRC ltr re violations noted in Inspec Rept#50-259/78-22, #50-260/78-25 & #50-296/78-22. Corrective actions: surveillance instruct sched change to reflect 18 month testing req.
GILLELAND, J. E. Tennessee Valley Authority. 78/11/22. 3pp. 94418:339.

--7812060026 Forwards IE Inspec Rept#50-259/78-22, #50-260/78-25 & #50-296/78-21 on 780911-14 & Notice of Violation.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/27. 2pp. 94415:312.

--7812060033 IE Inspec Rept#50-259/78-22, #50-260/78-25 & #50-296/78-21 on 780911-14 during which 1 item of noncompliance was noted surveillance testing of air cleaning sys.
TROUP, O. L., JACKSON, L. L., O'BRIEN, A. F. Region 2, Atlanta, Office of the Director. 78/10/27. 9pp. 94415:315

7812180248 Forwards requests for relief from ASME Section XI exam requirements that would be conducted per subj facil Inspec inspect prog Rev Inspec inspect prog reflecting util position will be submitted pending completion of prog dev.
GILLELAND, J. E. Tennessee Valley Authority. 78/12/11. 21pp. 94213:293

7812260014 Forwards IE Bulletin 78-14.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/12/19
2pp. 94131:032

R. Periodic operating reports & related correspondence

7810160106 Forwards Monthly Oper Rept for Sept 1978
DEWEASE, J. O. Tennessee Valley Authority. 78/10/10. 1p. 94004:281.

--7810160109 Monthly Oper Rept for Sept 1978.
DEWEASE, J. O. Tennessee Valley Authority. 78/09/30. 34pp. 94002:087

7810170161 Monthly Oper Rept for Sept 1978.
DEWEASE, J. O. Tennessee Valley Authority. 78/10/31. 31pp. 94236:097.

7810300103 Files fish impingement rpt for subj facil for 3rd quarter 1978
GILLELAND, J. E. Tennessee Valley Authority. 78/10/19. 14pp. 94035:048

7811140137 Forwards Monthly Oper Rept for Oct 1978.
DEWEASE, J. O. Tennessee Valley Authority. 78/11/09. 1p. 94425:275.

--7811140140 Monthly Oper Rept for Oct 1978
GREEN, D. Tennessee Valley Authority. 78/11/02. 33pp. 94425:276.

7812190161 Forwards Monthly Oper Rept for Nov 1978.
DEWEASE, J. O. Tennessee Valley Authority. 78/12/02. 1p. 94340:180

--7812190162 Monthly Oper Rept for Nov 1978.
DEWEASE, J. O. Tennessee Valley Authority. 78/12/02. 29pp. 94340:181.

B. Reportable occurrences, LERs & related correspondence

7810100002 Forwards LER#78-024/03L-0
FOX, H. B. Tennessee Valley Authority. 78/09/29. 1p. 94007:302

--7810100006 LER#78-024/03L-0 on 780911: during refueling while performing surveillance instru 81-42B-31 2 broken wire was found on signal lead for RCIC turbine high steam flow switch PD18-71-1B which provides RCIC isolation. Loose connection repaired.
PITTMAN, J. R. Tennessee Valley Authority. 78/09/29. 2pp.

7810100042 Forwards LER#78-025/01T-0.
FOX, H. B. Tennessee Valley Authority. 78/09/29. 1p. 94033:072.

--7810100047 LER#78-025/01T-0 on 780917: during refueling, 4 MBTV's exceeded leakage limits. Defective valves will be repaired & retested.
* Tennessee Valley Authority. 78/09/29. 2pp. 94033:073.

7810240146 Forwards LER#78-026/03L-0.
FOX, H. B. Tennessee Valley Authority. 78/10/20. 1p.

--7810240151 LER#78-026/03L-0 on 780924: during refueling outage, smoke detector X8-39-93KB alarmed w/o proper cause & could not be cleared, due to normal aging.
* Tennessee Valley Authority. 78/10/17. 2pp.

7811140165 Supplementary Reportable Occurrence Rept BFRD-50-296/7822: on 780822, during startup at 3 percent thermal pwr, MSRV 1-4 opened & did not completely close resulting in excessive cooldown rate. Caused by excessive pilot leakage.
FOX, H. B. Tennessee Valley Authority. 78/11/08. 3pp. 94383:317.

7811140168 Supplementary Reportable Occurrence Rept#BFRD-50-296/7821

--781140195 LER#78-027/03L-0 on 781012 during refueling outage, panel 3-23-327 was inoperable, placing 2 smoke detector zones out of svc. Caused by a contact on power transfer relay which failed to close after short power interruption.
* Tennessee Valley Authority 78/11/08 2pp 94384 273

781140201 Forwards LER#78-028/03L-0
FOX, H. B. Tennessee Valley Authority 78/11/08 1p 94384:333

--781140206 LER#78-028/03L-0 on 781014 during refuel outage, 1 smoke detector XB-39-1082E in mech equip room on elevation 617 caused false alarm that would not clear. Caused by normal natural aging of detector.
* Tennessee Valley Authority 78/11/06 2pp. 94384 334.

781160099 Forwards ROM#50-296/7822.
FOX, H. B. Tennessee Valley Authority 78/11/08 1p 94135:094.

--781160104 ROM#50-296/7822 on 780822 during startup at 3X thermal pow, MERV 1-4 opened & did not reclose completely, resulting in excessive vessel cooldown rate, due apparently to excessive pilot & second-stage leakage in the valves.
* Tennessee Valley Authority 78/11/08 1p 94135 095.

7811280294 Forwards LER#78-029/03L-0
FOX, H. B. Tennessee Valley Authority 78/11/21 1p. 94395:254.

--7811280298 LER#78-029/03L-0 on 781029 during refueling, while reloading fuel in vessel w/all rods inserted, 2 IRM channels were inoperable in same trip sys IRM F signal cable was sheared by CRD repair platform IRM H signal cable disconnected.
* Tennessee Valley Authority 78/11/15 2pp 94395:255

7812050199 Forwards LER#78-030/03L-0
FOX, H. B. Tennessee Valley Authority 78/11/27 1p

--7812050201 LER#78-030/03L-0 on 781031 evidence of grease in 6 snubbers located in core spray, main steam & residual heat removal sys snubbers replaced. Recurrence control action incl replacement of grease fittings w/those incompatible w/guns.
* Tennessee Valley Authority 78/11/27 3pp. 94331:007.

781210168 RD-50-296/782: Bendix connectors used inside primary containment which failed post-aging environ test were modified by potting plug & receptacle portion of connectors & passed 10 year qualifying tests.
FOX, H. B. Tennessee Valley Authority 78/12/06 2pp. 94337:006

7812190110 Forwards LER#78-031/01T-0
FOX, H. B. Tennessee Valley Authority 78/12/11 1p. 94381:198.

--7812190111 LER#78-031/01T-0 on 781128 during CRD scram timing & associated LPRM connect on verification noted that all LPRMs had been connected in reverse order. Caused by lack of explanation in documents describing connection procedure.
* Tennessee Valley Authority 78/12/11 2pp. 94381:199.

7812190119 Forwards LER#78-033/03L-0.
FOX, H. B. Tennessee Valley Authority 78/12/13 1p 94376:278.

--7812190122 LER#78-033/03L-0 on 781114 leakage from 35 isolation valves which terminate below suppression pool water level exceeded inventory restriction of 20781 cubic feet per 30 days. Caused by wearing of seats on valves.
* Tennessee Valley Authority 78/12/13 1p. 94376:279.

DOCKET 50-297 NORTH CAROLINA STATE UNIV. PULSTAR REACTOR

G. Inspection reports, IE Bulletins & correspondence

7812010182 IE Inspec Repts#50-160/78-04, #50-276/78-02, #50-297/78-04 & #70-0386/78-04 on 780926-27 during which no items of noncompliance were noted. Major areas inspec incl: nuc matl control & accounting procedures review
TODD, G. A., WILLIAMS, O. H. Region 2, Atlanta, Safeguards Branch.
78/10/20. 3pp. 94409:222.

7810140037 Forwards Inspec Rept 50-297/78-3 on 780817 during which no item of noncompliance was noted.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/10/02. 8pp. 94413:034.

DOCKET 50-298 COOPER NUCLEAR STATION

E. NRC Safety Evaluation Report (SER), supply & correspondence

7811270041 Review of augmented main steam isolation valve rept has determined that midcycle MSLIV leak testing is no longer required.
1PPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/01. 2pp 94253:357.

--7811270043 "Safety Eval Rept of Main Stream Isolation Valve Test Results." Util request for continuing CNB in present fuel cycle for addl mid-cycle MBLTV leak test is approved.
* Operating Reactors Branch 3 (Pre 790625). 78/11/01. 2pp 94253:359

F. Security, medical, emergency & fire protection plans

7811220248 Presents results of 781013 meeting re fire protec. W/enc1 attendees list, staff review positions agreed to by licensee & review positions licensee agreed to consider further.
1PPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/01. 12pp

7812130166 Submits data requested in 781120 NRC ltr re fire inspec review. Subj incl: self contained breathing apparatus, fire emergency radio communication, manual foam suppression & conduit risers in battery room.
PILANT, J. M. Nebraska Public Power District. 78/12/11. 23pp. 94303:144.

P. Operating license stage documents & correspondence

7810130233 Notice of Issuance of Amend#52 to Facil Oper Lic #DPR-46 on 780929.
1PPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/09/29. 2pp 94081:342

7810130266 Forwards Amend #52 to Facil Oper Lic #DPR-46, as requested in 770722 ltr, Safety Evaluation & Notice of Issuance.
1PPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/09/29. 2pp.

--7810140015 Amend #52 to Facil Oper Lic #DPR-46 revising tech specs re: increase in storage capacity of spent fuel pool from 740 to 2366 fuel assemblies.
GRIMES, G. K. Assistant Director for Engineers & Projects (Pre 790625). 78/09/29. 4pp 94003:171.

--7810140018 Safety Evaluation Rept supporting Amend #52 to Facil Oper Lic #DPR-46 concludes that installation & use of new fuel racks can be accomplished safely & health & safety of pub will not be endangered.
* Office of Nuclear Reactor Regulation, Director. 78/09/29. 11pp. 94003:175.

--7810140021 Environ Impact Appraisal for Amend#52 to Facil Oper Lic #DPR-46 concludes that increase in storage capacity for spent fuel pool will not affect quality of human environ.
* Office of Nuclear Reactor Regulation, Director. 78/09/29. 32pp. 94003:189.

--7810140024 Notice of Issuance of Amend #52 to Facil Oper Lic #DPR-46 & Negative Declaration.
1PPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/09/29. 22pp. 94322:306.

7810170152 Responds to 780807 NRC ltr re subj facil reactor protec sys pur supply. Possibility is remote for undetected or seismic related failures. Probability & possible effects are still under analysis. No facil mods are proposed at this time.
PILANT, J. M. Nebraska Public Power District. 78/10/06. 2pp. 94236:089.

7810120037 Requests revision of radiological Tech Specs change primary containment & reactor vessel isolation tables emergency plan drills & organization chart. Changes are Class 2 amend.
PILANT, J. M. Nebraska Public Power District. 78/10/09. 8pp. 94332:306.

7811130333 Summary of 780914 meeting w/OE representatives & Mark 1 Owners Group re progress of Long Term Prog w/Attendance list & agenda (RD-9-A-Mark 1 Standards.)
GRIMES, C. Plant Systems Branch (Pre 791030). 78/10/26 67pp

7811020253 Forwards addl info re exemptions from requirements previously unacceptable covering personnel airlock, bellows leakages & water testing for feedwater check valves w/ oversize drawings
PILANT, J.M. Nebraska Public Power District. 78/10/30 11pp
94247, 126.

7811140130 Responds to 780918 ltr requesting addl info re Quality Assurance Prog. Addl info will be submitted by 790115 re exceptions which licensee will take relative to requirements contained in the "Orange Book."
PILANT, J.M. Nebraska Public Power District 78/11/09 8pp.
94425, 239

7811200115 Forwards new proposed Tech Specs, amplified because of new 10CFR50.44 Asks NRC to disregard earlier proposal changes pertain to Atmospheric Containment Atmosphere Dilution (ACAD) sys for subj facil.
PILANT, J.M. Nebraska Public Power District. 78/11/14. 13pp
94220, 233

7812010122 Forwards analysis in support of functional form, used in the centerline temp rise relationships for the thermal plumes. Also attached are centerline temp rise plots showing actual field data points from past monitoring years.
PAILEY, P.P. Hazelton Environmental Sciences Corp 78/11/15. 10pp.
94418, 037.

7812150159 Notice of workshops re implementation of training & qual requirements contained in Append B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. W/encl Registration Form & List of Locations
MILLER, J.R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15 5pp.

7812180271 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for BWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pwr Plants" (NUREG-0133).
GRIMES, G.K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15 6pp. 94366, 079.

7812040196 Requests that the rept NEDE-23898-P, "Analytical Model for Computing Water Rise in a Safety/Relief valve Discharge Line Following Valve Closure," be utilized in containment eval program.
PILANT, J.M. Nebraska Public Power District. 78/11/27. 1p.
94457, 128.

7812050148 Requests Radiological Tech Specs be rev to incl proposed changes re primary containment surveillance instru. reactivity control testable penetrations w/double O-ring seals & safety related Hydraulic Shock Suppressors.
PILANT, J.M. Nebraska Public Power District. 78/11/29. 11pp.
94382, 056.

7812110018 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to purging or justification for continuing. W/encl AND:
#7812080207.
IPPOLITO, T. Operating Reactors Branch 2 (Pre 790625). 78/11/29. 6pp. 94339, 265.

7812140176 Forwards Oct 1978 Prog Activity Review listing meetings held & providing task-by-task activity summary for the month.
BOBON, L.J. General Electric Co. 78/12/04. 11pp.

7812110197 Forwards request for addl info re 781109 submittal of quality assurance prog for subj facil.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/12/05. 3pp. 94408, 055.

7812280105 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J.Q. Office of Inspection & Enforcement, Office of the Director. 78/12/05. 2pp. 03555, 321.

7812260031 Forwards request for addl info re suppression pool temp transients in order to complete review of topical rept NEDE 21078P "Test Results Employed by OE for BWR Containment & Vertical Vent Loads."
DAVIS, D.K. Operating Reactors Branch 2 (Pre 790625). 78/12/13. 4pp. 94020, 357.

7812270328 Responds to 781205 ltr requesting addl info re Quality Assurance prog for subj facil.
PILANT, J.M. Nebraska Public Power District 78/12/21 4pp.
94232, 021

781210367 Forwards addl info re multiple consecutive safety/relief valve actuation of Mark 1 containment program.
BOBON, L.J. General Electric Co 78/11/13 3pp.

Q Inspection reports, IE Bulletins & correspondence

7810140132 Forwards IE Inspec Rept#50-298/78-14 on 780818 during which no items of noncompliance were noted.
MADSEN, O.L. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/22 2pp. 94422, 084.

--7810140133 IE Inspec Rept#50-298/78-14 on 780818 during which no items of noncompliance were noted. Major areas inspect included rev of IE Inspec prop, licensee's enforcement history, assessment of licensee's performance & implementation of security plan.
BEYFRIT, K.V., MADSEN, O.L., JOHNSON, E.H. Region 4, Dallas, Office of the Director. 78/08/22 2pp 94422, 086.

7810120012 Forwards IE Inspec Rept#50-298/78-13 on 780815-18 & Notice of Violation
MADSEN, O.L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/08/29. 2pp. 94421, 193.

--7810120014 Notice of Violation from Inspec on 780815-18
* Region 4, Dallas, Vendor Inspection Branch. 78/08/29. 2pp. 94421, 197

--7810120016 IE Inspec Rept#50-298/78-13 on 780815-18 during which 4 items of noncompliance were noted. Activities in Tech Spec 6.2 B.4 not rev by Safety Rev & Audit Board & lic procedures not adhered to for rev of design changes.
JOHNSON, E.H., KELLEY, D.L., MADSEN, O.L. Region 4, Dallas, Vendor Inspection Branch. 78/08/29 12pp 94421, 198

7810160051 Forwards IE Inspec Rept#50-298/78-15 on 780928-30 & notice of deviation
MADSEN, O.L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/09/12 2pp. 94423, 306.

--7810160053 Notice of Deviation from Inspec on 780828-30
* Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/09/12 1p. 94423, 308

--7810160055 IE Inspec Rept#50-298/78-15 on 780828-30 during which 1 item of noncompliance was noted: Failure to maintain 2 fire doors in an operable status as req by Natl Fire Code.
JOHNSON, E.H., VERDUZCO, O.H., MADSEN, O.L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/09/12. 6pp. 94423, 309.

7810110011 Forwards IE Bulletin #78-12 requiring action by util.
BEYFRIT, K.V. Region 4, Dallas, Office of the Director. 78/09/29. 1p.

7810230209 Ack receipt of 780919 ltr informing NRC of steps taken to correct deviations noted in Inspec Rept#50-298/78-13.
MADSEN, O.L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/10/04. 2pp. 94488, 356.

--7810230213 Responds to 780829 NRC ltr re violations noted in Inspec Rept#50-298/78-13. Corrective actions: document control, test of valves AR-153AV & AR-154AV.
PILANT, J.M. Nebraska Public Power District. 78/09/19. 6pp. 94488, 358.

7810230276 Forwards IE Circular#78-17. (See AND 7810230221 Docket 30-133, 781013)
BEYFRIT, K.V. Region 4, Dallas, Office of the Director. 78/10/13. 1p. 94194, 355

781200325 Forwards IE Inspec Rept#50-298/78-16 on 780927-29 & Notice of Violation which is withheld from public disclosure.
MADSEN, O.L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/10/18. 2pp. 94251, 023

--7812100330 IE Inspec Rept#50-298/78-16 on 780927-29 during which a noncompliance was noted in the area of Physical Barriers. Details are withheld from public disclosure.
WARD, J.J., CALDWELL, R.A., EVANS, E.A. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/10/18. 1p. 94251, 025.

7811080106 Ack receipt of 781003 ltr informing NRC of steps taken to correct deviations noted in Inspec Rept#50-298/78-13.
MADSEN, O.L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/10/25. 1p. 94399, 138.

#30-298/78-15. Corrective actions: hose removed from doorway.
PILANT, J. M. Nebraska Public Power District. 78/10/03. 2pp.
94399:139.

7812100348 Forwards IE Inspec Repts#30-298/78-17 on 781002-05 during which no items of noncompliance were noted.
MADSEN, Q. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/10/30. 2pp. 94356:043

--7812180350 Notice of Violation from Inspec on 781002-03
* Region 4, Dallas, Reactor Operations Nuclear Support Branch
78/11/27. 1p. 94356:045.

--7812180356 IE Inspec Repts#30-298/78-17 on 781002-05 during which 2 items of noncompliance were noted: failure to follow procedure for control of valves in liquid control sys & to shed requal lectures for lic operators.
JOHNSON, E. H. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/10/27. 8pp. 94356:046.

781130079 Ack receipt of 781031 ltr informing NRC of steps taken to correct violations noted during Inspec#30-298/78-16.
MADSEN, Q. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/11/03. 1p. 94076:324.

7811220124 Forwards IE Circular#78-18, "UL Fire Test." W/enc1
ANO:781130002
BEYFRIT, K. V. Region 4, Dallas, Office of the Director. 78/11/06. 1p. 06911:001.

7811270123 Ack receipt of 780918 & 781025 ltrs informing NRC of steps taken to correct violations noted during Inspec
#30-298/78-13.
MADSEN, Q. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/11/13. 1p. 94271:285.

--7811270129 Responds to 780829 NRC ltr re violation noted in Inspec Rept #30-298/78-13. Corrective actions: QC procedures will be written, QC prog objectives, responsibilities & requirements clarified
PILANT, J. M. Nebraska Public Power District. 78/10/25. 2pp. 94271:286.

7812210180 Forwards IE Inspec Rept#30-298/78-18 on 781030-1102 during which no items of noncompliance were noted.
MADSEN, Q. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/11/17. 2pp. 94278:323.

--7812210184 IE Inspec Rept#30-298/78 on 781030-1102 during which no items of noncompliance were noted. Major areas inspected incl: records, follow-up on IE Bulletins, Circulars, open items, unresolved items & prior deviations.
JOHNSON, E. H., CUPP, E. A., MADSEN, Q. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/11/17. 7pp. 94278:326.

7812060261 Forwards IE Bulletin#78-12a, suppl to IE Bulletin#78-12.
W/enc1 ANO: 781100095.
BEYFRIT, K. V. Region 4, Dallas, Office of the Director. 78/11/24. 1p. 94371:342.

7812060049 Ack receipt of 781120 ltr informing NRC of steps taken to correct violations noted during Inspec#30-298/78-17.
MADSEN, Q. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/11/29. 1p. 94234:061.

--7812060052 Responds to 781030 NRC ltr re violations noted in Inspec Rept#30-298/78-17. Corrective action: sealed open valve SLC-10 was closed per surveillance procedure & the seal removed & not replaced.
PILANT, J. M. Nebraska Public Power District. 78/11/20. 2pp. 94234:062.

R. Periodic operating reports & related correspondence

7810170268 Forwards Monthly Oper Rept for Sept 1978.
LEBDR, L. C. Nebraska Public Power District. 78/10/09. 1p. 94242:194.

--7810170299 Monthly Oper Rept for Sept 1978.
BORER, P. J. Nebraska Public Power District. 78/10/05. 4pp. 94242:195.

7811160113 Forwards Monthly Oper Rept for Oct 1978.
LEBDR, L. C. Nebraska Public Power District. 78/11/03. 1p. 94139:140.

BORER, P. J. Nebraska Public Power District. 78/11/03. 4pp. 94139:161.

7812130158 Forwards Monthly Oper Rept for Nov 1978
LEBDR, L. C. Nebraska Public Power District. 78/12/06. 1p. 94305:115.

--7812130160 Monthly Oper Rept for Nov 1978.
BORER, P. J. Nebraska Public Power District. 78/12/06. 4pp. 94305:116.

B. Reportable occurrences, LERs & related correspondence

7812130121 Notification of deficiency found 780913 in valve cross assemblies, inlet & exhaust push assemblies of KSV Pwr Engine & corrective action to design roller pin & replace hand flaring oper.
BENDER, B. B. Cooper Industries, Inc. 78/11/03. 2pp. 94275:329.

7810300173 Forwards LER#78-030/03L-0.
LEBDR, L. C. Nebraska Public Power District. 78/09/12. 2pp. 94034:236.

7810300201 Forwards LER#78-029/03L-0.
LEBDR, L. C. Nebraska Public Power District. 78/09/12. 2pp. 94033:319.

--7810300229 LER#78-029/03L-0 on 780814: Core Spray Time Delay Relay did not operate w/in req time limits. Caused by type of relay used; relay does not operate properly after periods of inactivity. Design change being prepared to replace relay.
PHILLIPS, D. L. Nebraska Public Power District. 78/09/12. 1p. 94033:321.

7812030166 Forwards LER#78-031/03L-0.
LEBDR, L. C. Nebraska Public Power District. 78/09/28. 2pp. 94335:115.

--7812030170 LER#78-031/03L-0 on 780912: Cooper-Bessemer diesel engine type KSV-16-Y main bearing overheated. Main bearing#10 was damaged due to minimal oil flow during engine coastdown. Caused by foreign particles in oil.
BEDNAR, L. F. Nebraska Public Power District. 78/09/28. 1p. 94335:117.

7810300177 LER#78-030/03L-0 on 780815: 13 primary containment penetrations were identified which were not leak tested. Penetrations were not identified in proper testing. Penetrations added to Tech Spec Table 3.7.2 will be tested.
PHILLIPS, D. L. Nebraska Public Power District. 78/09/12. 1p. 94034:238.

7812030135 Forwards LER#78-032/03L-0.
LEBDR, L. C. Nebraska Public Power District. 78/10/13. 2pp. 94335:057.

--7812030138 LER#78-032/03L-0 on 780918: during normal oper. after cooling down the torus, RHR Heat Exchanger 1B Bypass RHR-MO-66B failed to oper. due to loose set screw on yoke of Limiterque BMS-3 operator.
BARRUS, C. Nebraska Public Power District. 78/10/13. 1p. 94335:059.

7812030144 Forwards LER#78-033/03L-0.
LEBDR, L. C. Nebraska Public Power District. 78/11/13. 2pp. 94334:352.

--7812030145 LER#78-033/03L-0 on 781016: cable HP58, Div 1, was found routed thru Div 11 riser under panel 9-3. Caused by personnel error during constr. Redundant sys were operable.
BEDNAR, L. F. Nebraska Public Power District. 78/11/13. 1p. 94334:354.

7812200259 Initial Notification of Reportable Occurrence 30-298-78-25 on 781124. Recirculation MO Bat B was tripped, then a fuse was pulled for exam. allowing MO Bat B to ramp up in speed, causing fast pur increase. Due to personnel error.
LEBDR, L. C. Nebraska Public Power District. 78/11/29. 2pp. 94206:002.

7812290197 Forwards LER#78-034/03L-0.
LEBDR, L. C. Nebraska Public Power District. 78/12/07. 2pp. 94190:185.

Control Rod Operability); control rod 30-31 was found uncoupled from its control rod drive. Cause cannot be determined until control rod drive is removed & examined. BALLINGER, P Nebraska Public Power District. 78/12/07. 1p. 94190 187.

7812200271 Forwards LER#78-035/01T-0
LESSER, L C Nebraska Public Power District. 78/12/08 2pp
94207 143

--7812200274 LER#78-035/01T-0 on 781124 while checking RR MO Set 10 speed control; 1 amp fuse(F2) in drive amplifier circuit was pulled out & checked. Caused rapid increase in pur level, tripping RR MO Set 1B
BEDNER, L F Nebraska Public Power District. 78/12/08. 1p
94207 143

DOCKET 90-301 POINT BEACH NUCLEAR PLANT, UNIT 2

F. Security, medical, emergency & fire protection plans

7811150167 Forwards copies of Rev#8 to Emergency Plan Manual.
BURSTEIN, S Wisconsin Electric Power Co 78/11/06. 2pp.
94223 001.

--7811150173 Rev#8 to Emergency Plan Manual covering reporting of radiat incidents & emergencies to Reg agencies, med assistance, minor radiat incidents, major radiat emergencies & gen health physics procedures.
* Wisconsin Electric Power Co 78/09/13 222pp. 94223 003.

7812260169 Forwards Rev#9 to Emergency Plan Manual for subj facil to replace outdated pages of Manual.
BURSTEIN, S Wisconsin Electric Power Co. 78/12/14 2pp.
94159 294

--7812260172 Rev#9 to Emergency Plan Manual for subj facil replacing outdated pages of Manual.
* Wisconsin Electric Power Co 78/12/14 9pp. 94159 296

Q. Adjudicatory correspondence

7812040183 Dismisses Contention#4 of intervenors; sustains objections raised by applicant WIEP to intervenors' Contention#10 & intervenors' interlogs re their Contention#9 Contentions concern security plans & health care plans.
MILLER, M E Atomic Safety and Licensing Board Panel 78/11/17 4pp. 94437 081.

7812080173 Gives notice that effective 781122, B Berson withdraws as NRC representative in proceeding re subj facil Certificate of Bvc encl.
BERSON, B A Office of the Executive Legal Director. 78/11/17. 3pp.
94107 253.

7810110017 Interrogatories propounded to Applicant re environ & safety aspects of proposed facil.
* Affiliation Unknown. 78/09/27. 12pp

7810110018 NRC Staff first set of interrogatories to & Request for the production of documents from St of WI. Case involves amend to Lic#DPR-24 & 27 re increased spent fuel storage capacity
BERSON, B A Office of the Executive Legal Director 78/09/29 13pp.

7810110023 NRC interrogatories to & request for production of documents from Intervenor Lakeshore Citizens For Safe Energy. Admitted contentions also submitted
BERSON, B A Office of the Executive Legal Director. 78/09/29 39pp. 94063 091.

7810110072 NRC Staff Interrogatories to & request for the production of documents from applicant per 10CFR2.7406 re amend to lic #DPR-24 & DPR-27. Admitted contentions also submitted
BERSON, B A Office of the Executive Legal Director. 78/09/29. 14pp. 94061 116.

7810130225 Submission of interrogatories by applicant WIEP to Intervenor Lakeshore Citizens For Safe Energy. Interrogatories addressed to contentions contained in Intervenor's amended contentions.
TROWBRIDGE, Q.F. Shaw, Pittman, Potts & Trowbridge. 78/10/02. 6pp. 94081 345.

--7810190088 Interlogs asked of applicant WMPC by St of WI pertaining to staff's position re tech merit of each intervenor. Lakeshore Citizens for Safe Energy's admitted contentions LAFLLETTE, B C WALSH, P Wisconsin. State of. 78/10/02 3pp. 94006 319.

7810230026 Applicant, WI Elec Pur, objections to interlogs submitted by Intervenor, Lakeshore citizens for safe energy, are stated. Objections based on interlog's reliance on contentions that were rejected by ASLB or are still being argued.
TROWBRIDGE, Q.F. Shaw, Pittman, Potts & Trowbridge 78/10/12 6pp. 94193 179.

7810260222 NRC advises NASLB that issuance of SER & environ assessment will be delayed until Dec 1978 due to reordering of NRC tech staff's priorities w/respect to review efforts on pending appls. Delay has been discussed w/applicant's representative
BERSON, B A Office of the Executive Legal Director 78/10/17 1p 94058 183.

7811200275 "Lakeshore Citizens for Safe Energy Responses to the NRC Staff's First Set of Interlogs." Urges evaluation of airborne emissions which add to existing background radiat Cert of Bvc encl.
SCHAEFER, W. Lakeshore Citizens for Safe Energy. 78/10/23. 22pp. 94230 280

7811200268 "Lakeshore Citizens for Safe Energy Responses to the WI Elec Pur Co's First Set of Interlogs." Defines "increased worker activity" re spent fuel pool activities
EBTES, J Lakeshore Citizens for Safe Energy 78/10/26 4pp. 94230 271

7811150262 "Applicant's Answers to Interlogs Propounded by Intervenor on 780927." Cert of Bvc encl
NEWTON, R A Wisconsin Electric Power Co. 78/10/27. 61pp 94273 167

7811150089 Answer by NRC Staff to interlogs of St of WI re contentions of Lakeshore Citizens for Safe Energy who oppose amends to lics for subj facil concerning increase in spent fuel storage capacity. Affidavits & Cert of Bvc encl.
BERSON, B A Office of the Executive Legal Director 78/11/01 53pp. 94113 208

7811240119 Applicant WIEP's answers to interlogs propounded by St of WI on 781002 re amend to lics for subj facil to increase spent fuel storage capacity. Supporting documentation & Cert of Bvc encl
NEWTON, R A Wisconsin Electric Power Co. 78/11/01 39pp. 94449 201.

7812040344 Forwards Affidavits of CM Trammell & FM Altmeter of NRC Staff.
BERSON, B A Office of the Executive Legal Director 78/11/08 4pp 94131 011.

7812050049 Applicant's answers to 780929 NRC interlogs re amend to Lic#DPR-24 & #DPR-27, Increasing Spent Fuel Storage Capacity. W/list of names, background & professional quals of witnesses & answers re potential incremental airborne releases.
NEWTON, R A Wisconsin Electric Power Co 78/11/08. 23pp. 94334 188.

7812140359 Swears that listed persons have been authorized by intervenors LACBE to respond to interlogs submitted by NRC Staff & applicant WIEP re LACBE contentions
BAST, S A Lakeshore Citizens for Safe Energy. 78/11/13. 1p 03557 233.

7812270050 St of WI's Answers to NRC Staff's first set of interlogs & request for production of documents. St has not yet located qualified witnesses re admitted contentions. Cert of Bvc encl.
WALSH, P Wisconsin. State of. 78/11/14 3pp 94160 261.

7812270452 Intervenor request NASLB for leave to w/draw Intervenor, WEPCO, NRC staff & St of WI move NASLB to enter order to approve w/drawal of Intervenor as party & enter Order dismissing proc. Agreement & Cert of Bvc encl.
BAST, S A Lakeshore Citizens for Safe Energy. BARTH, C.A. Office of the Executive Legal Director. CHURCHILL, B.W. Wisconsin Electric Power Co. 78/12/13. 9pp. 94016 008.

H. General correspondence

7B1214036B Requests copies of NUREG-0410 & NUREG-0471.
BUST, B. A. Lakeshore Citizens for Safe Energy. 7B/11/13. 1p.
03557:234.

P. Operating license stage documents & correspondence

7B11140133 "Analysis of Capsule R from WI Elec Pwr Co Facility
Reactor Vessel Radiation Surveillance Program."
YANICHKO, B. E., ANDERSON, B. L. Westinghouse Electric Corp. WCAP-9357.
7B/08/31. 62pp. 94383:176.

7B11170297 Forwards rough draft workingpapers on subj facil amended
Security Plan, intended solely for use of JR Berggren.
Comments withheld from public disclosure pursuant to 2.790.
ROBE, D. O. Los Alamos Scientific Laboratory. 7B/11/01. 3pp.
02766:230.

7B12010225 Requests amend to Facil Oper Lic to incorp changes to Tech
Specs. Changes consist of rev to reactor coolant sys startup
& cooldown limitation curves for oper of subj Facil. W/check
for \$4,400.00.
BURSTEIN, B. Wisconsin Electric Power Co. 7B/11/16. 6pp.
94409:326.

7B10250016 Request for addl info re expansion of spent fuel pool
storage capacity, which will req on-site neutron attenuation
testing of boron plates that are to be in pool, removal of
which will req special rept to NRC
SCHWENGER, A. Operating Reactors Branch 1 (Pre 790625). 7B/10/03.
3pp.

7B10170153 Responds to 7B0913 ltr requesting sched for submittal of rev
ECCB cooling performance analysis. Submittal of completed
ECCB analysis to NRC will be on or before 790112. Analysis
will use new Westinghouse ECCB eval model.
BURSTEIN, B. Wisconsin Electric Power Co. 7B/10/10. 1p. 94236:088.

7B10230272 Forwards responses to requests for addl info re spent fuel
storage expansion plans for subj facil. Discusses fuel
loading limit, radiat dose in Boraflex plate, thickness of
stainless steel inner can, fuel region dimension.
BURSTEIN, B. Wisconsin Electric Power Co. 7B/10/10. 44pp.
94167:136.

7B10190130 Forwards copy of 7B0510 ltr from subj facil to Univ of WI.
COLLINS, P. F. Operator Licensing Branch. 7B/10/11. 1p. 94414:027.

--7B10190133 Requests copy of 7B0510 ltr be sent to Univ of WI. Ack 7B0609
ltr to WI Elec has been placed in Univ of WI.
JACOBSON, N. Affiliation Unknown. 7B/09/25. 1p. 94414:028.

--7B10190136 Responds to 7B0413 NRC ltr re admin of licensed Oper
Requal Prog. Nine examinations were regraded IAW
conversations of 7B0420 & 21. Results of the regrading are
attached. Regraded scores will be used as record scores.
REED, G. A. Wisconsin Electric Power Co. 7B/05/10. 6pp.
94414:029.

7B10190101 Outlines agreement reached re proposed use of rod banks swap
measurement technique to confirm adequate reactor shutdown
capability. Technique to be used for subj facil only; further
use must obtain NRC generic approval.
SCHWENGER, A. Operating Reactors Branch 1 (Pre 790625). 7B/10/12.
App. 94413:272

7B10310016 Summarizes meeting on 7B0929 re Westinghouse rod bank swap
measurement prog.
ROSENTHAL, J. E. Reactor Safety Branch (Pre 791030). 7B/10/13. App.
94094:326.

7B1130203 Forwards Tech Spec change Request 36 to DPR-24 & DPR-27.
Tech Spec 15.3.15 "Overpressure Mitigating Sys Oper." encl
outlining functional requirements & limiting conditions for
oper re pressurizer pur operated relief valve.
BURSTEIN, B. Wisconsin Electric Power Co. 7B/11/02. 16pp.
03554:001.

7B1140124 Forwards reactor matls surveillance capsule test repts for
subj facil. Conservation in the curves used to predict the
change in transition temp as a function of fluence is
clearly demonstrated by the results.
BURSTEIN, B. Wisconsin Electric Power Co. 7B/11/08. 3pp.
94383:113.

7B12130203 Notice of workshops re implementation of training & qual
requirements contained in Append B of 10CFR73. Requests
pre-workshop registration of attendees to facilitate sending
out mail. W/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030).
7B/11/13. 6pp.

7B12190060 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for
PWR's (NUREG-0473) & "Preparation of Radiological Effluent
Tech Specs for Nuc Pwr Plants" (NUREG-0133).
ORINEB, B. K. Assistant Director for Engineers & Projects (Pre
790625). 7B/11/13. 6pp. 94215:095

7B12050188 Request to amend Facil Oper Lic to incorp changes to Tech
Specs re testing of containment isolation valves, valve &
pump testing code requirements, main steam stop valve
periodic testing & auxiliary feedwater pumps testing.
BURSTEIN, B. Wisconsin Electric Power Co. 7B/11/27. 11pp.
94336:112.

7B12180008 Discusses possible dangers of LOCA in containment purging
during normal plant oper. Requests either commitment to limit
purging or justification for continuing. W/encl AND
#7B12080207.
SCHWENGER, A. Operating Reactors Branch 1 (Pre 790625). 7B/11/28.
6pp. 94209:230.

7B12210320 Forwards request for addl info re subj Facil expansion of
Spent Fuel Storage capacity.
SCHWENGER, A. Operating Reactors Branch 1 (Pre 790625). 7B/12/06.
6pp. 03556:104.

7B12270389 Responds to 7B1113 request & encl "Generic Task Problem
Descriptions" (NUREG-0471) & "NRC Prog for Resolution of
Generic Issues Related to Nuc Pwr Plants" (NUREG-0410).
W/o encl.
BARTH, C. A. Office of the Executive Legal Director. 7B/12/06. 1p.
94229:286.

7B12280040 Emphasizes importance of submitting accurate & complete info
to NRC by licensees & applicants. Info submitted must be
substantiated by data & calculations. Licensees must notify
NRC of any inaccuracies or enforcement action will result.
DAVIS, J. O. Office of Inspection & Enforcement, Office of the
Director. 7B/12/06. 2pp. 94085:360.

7B12290110 Ack receipt of 7B1116 appl for amend to License DPR-24 & 27.
Requests addl \$3600 lic fee.
DIDOB, R. M. License Fee Management Branch. 7B/12/20. 1p.
94191:358.

G. Inspection reports, IE Bulletins & correspondence

7B10270371 Forwards IE Inspec Rept #50-301/78-19 on 7B0907-08 during
which no items of noncompliance were noted.
FIORILLI, O. Region 3, Chicago, Reactor Operations Nuclear Support
Branch. 7B/09/20. 2pp. 94030:178.

--7B10270376 IE Inspec Rept 50-301/78-19 on 7B0907-08 during which no
items of noncompliance were noted. Major areas inspected
included: reactor physics test performed prior to full pwr
oper for Cycle 5.
KIMLER, J. E., STREETER, J. F. Region 3, Chicago, Reactor Operations
Nuclear Support Branch. 7B/09/19. App. 94030:180.

7B10130054 Ack receipt of 7B0911 ltr informing NRC of steps taken to
correct violations noted in ltr of 7B0822 re noncompliance
& rev of adequacy of the weld repair.
KEPLER, J. O. Region 3, Chicago, Office of the Director. 7B/10/05.
1p. 94421:026.

7B10190079 Forwards IE Inspec Repts #50-266/78-14 & #50-301/78-18 on
7B0822-25. Notice of Violation w/held pursuant to 10CFR2.790.
HIND, J. A. Region 3, Chicago, Safeguards Branch. 7B/10/10. 2pp.
94007:023.

7B10230332 Forwards IE Circular #78-17. (See AND: 7B10230221, Docket
50-313; 7B1013)
KEPLER, J. O. Region 3, Chicago, Office of the Director. 7B/10/13.
1p. 94181:355.

7B1210415 Forwards IE Inspec Repts #50-266/78-15, #50-301/78-20 on
7B0911-15 during which no items of noncompliance were noted.
FIORILLI, O. Region 3, Chicago, Reactor Operations Nuclear Support
Branch. 7B/10/16. 2pp. 94483:132.

--781210436 IE Inspec Repts#50-266/78-15, #50-301/78-20 on 780911-13 during which no items of noncompliance were noted. Major areas inspected included: plant oper. procurement, nonroutine event & safety injection reset procedures.
CHOLEB, N.C., HUOHEB, J., WARNICK, R.F. Region 3, Chicago, Office of the Director. 78/10/16. 11pp. 94483:134.

7811070374 Responds to IE Bulletin#78-12 dtd 780929 re atypical weld matl in Reactor Pressure Vessel welds. Vessels in subj facil antedate the atypical matl, so the matter does not apply.
BURSTEIN, B. Wisconsin Electric Power Co. 78/10/26. 6pp. 94043:265.

7811060072 Notice of Violation-failure to rept a significant fish kill- appended to 780612 ltr is retracted. Thirty six fish killed is not significant to warrant a rept.
KEPPLER, J.O. Region 3, Chicago, Office of the Director. 78/10/31. 1p. 94423:354.

7811130071 Forwards IE Circular 78-18.
KEPPLER, J.O. Region 3, Chicago, Office of the Director. 78/11/06. 1p. 94112:272

7812290068 Forwards IE Inspec Repts #50-266/78-22 & #50-301/78-23 on 781017-20 during which no items of noncompliance were noted.
FIORELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/22. 2pp. 94190:047.

7812290074 IE Inspec Repts #50-266/78-22 & #50-301/78-23 on 781017-20 during which no items of noncompliance were noted. Major areas inspected incl: calibr & surveillance of safety related components and equip.
STREETER, J.F., SMITH, J.D. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/20. 5pp. 94190:049.

7812030271 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
W/encl AND: 7811300055.
KEPPLER, J.O. Region 3, Chicago, Office of the Director. 78/11/24. 1p. 94202:218.

7812290022 Forwards IE Inspec Rept#50-266/78-21 & #50-301/78-22 on 781023-26 during which no items of noncompliance were noted.
FIORELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/24. 2pp. 94207:352.

--7812290032 IE Inspec Repts#50-266/78-21 & #50-301/78-22 on 781023-26 during which no items of noncompliance were noted. Major areas inspected incl: quality assurance prog, records, nonroutine event followup & noncompliance followup.
CHOLEB, N.C., WARNICK, R.F. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/21. 6pp. 94207:354.

7812280036 Forwards IE Bulletin 78-14.
KEPPLER, J.O. Region 3, Chicago, Office of the Director. 78/12/19. 1p. 94133:216.

R. Periodic operating reports & related correspondence

7812120085 Forwards Monthly Oper Rept for Nov 1978.
BURSTEIN, B. Wisconsin Electric Power Co. 78/12/08. 1p. 94274:181.

--7812120087 Monthly Oper Rept for Nov 1978.
* Wisconsin Electric Power Co. 78/12/05. 9pp. 94274:182.

7810180099 Forwards summary Tech Rept: "Reactor Containment Bldg Integrated Leakage Rate Test for March 1978."
BURSTEIN, B. Wisconsin Electric Power Co. 78/10/05. 1p.

--7810180102 Summary rept: "Reactor Containment Bldg Integrated Leakage Rate Test for March, 1978". Finds that overall leakage rate is 0.0787 plus 0.07374% per day. Test type: Second periodic type "A".
BRUCKNER, O.E. Wisconsin Electric Power Co. 78/10/05. 216pp.

7810170171 Forwards Monthly Oper Rept for Sept 1978.
BURSTEIN, B. Wisconsin Electric Power Co. 78/10/09. 1p. 94270:036.

--7810170173 Monthly Oper Rept for Sept 1978.
* Wisconsin Electric Power Co. 78/10/05. 9pp. 94270:037.

B. Reportable occurrences, LERs & related correspondence

7810180043 Forwards LER#78-012/01X-0.
BURSTEIN, B. Wisconsin Electric Power Co. 78/09/12. 1p. 94422:056.

--7810180046 LER#78-012/01X-0 on 780627: during visual inspect of fire barrier penetration seals, horizontal seals found to be constructed differently than specified. Error due to change in constr drawings. No reportable item exists.
BURSTEIN, B. Wisconsin Electric Power Co. 78/09/07. 1p. 94422:057.

7811210349 LER#78-010/1T-0 on 780928: reactor coolant sys pressure dropped. Rate in decrease reached 25 psig per minute. Pressure decrease caused by failed elec-to-air signal converter.
GREENWOOD, J. Wisconsin Electric Power Co. 78/09/29. 2pp. 94484:355.

7811240130 Forwards LER#78-010/01T-0.
BURSTEIN, B. Wisconsin Electric Power Co. 78/10/12. 1p. 94456:355.

--7811240136 LER#78-010/01T-0 on 780928: reactor coolant sys pressure began dropping at 25 psi per minute; pressurizer spray valve 431B found partially open despite shut signal due to 0 set point drift caused by heat degradation in transducer.
BURSTEIN, B. Wisconsin Electric Power Co. 78/10/12. 2pp. 94456:356.

7811240131 Forwards LER#78-009/03L-0.
BURSTEIN, B. Wisconsin Electric Power Co. 78/10/13. 1p. 94456:358.

--7811240134 LER#78-009/03L-0 on 780913: on 2 occasions, 2 of 3 charging pumps were isolated. 2 3/4" crosby relief valves leaked through causing temporary loss of charging flow. Charging pump relief valve replaced & a pump returned to Svc.
BURSTEIN, B. Wisconsin Electric Power Co. 78/10/13. 2pp. 94456:359.

DOCKET 50-302 CRYSTAL RIVER NUCLEAR PLANT, UNIT 3

F. Security, medical, emergency & fire protection plans

7810200160 Confirms 781006 rept re potential problem in use of Duct Seal compound used in facil cable spreading room. Util is evaluating the matl & will rept in 14 days.
BEATTY, O.P. Florida Power Corp. 78/10/10. 1p. 94412:012.

7811170103 Forwards Rev B to Security Plan for subj Facil. Rev attempts to respond to deficiencies identified by NRC Security Review Team. Since plan contains proprietary info, FPC requests that it be withheld from public disclosure pursuant to 2.790.
BTEWART, W.P. Florida Power Corp. 78/11/10. 1p. 02786:266.

7811280382 Request for addl info re fire protec prog as described in 770422 submittal. W/encl questionnaire. NRC Staff Positions & request for drawings covering fire hazard analysis. Instru air sys & valve concern.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/11/14. 20pp. 94397:263.

7812210453 Forwards request for addl info re fire protec prog. Suppl 781114 NRC request resulting from review of 780530 facil submittal on administrative controls.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/11/21. 5pp. 94168:020.

7812140127 Requests title changes to Security Plan Revs#6.7, & B to "Mod Amended Security Plan" (780302), "Rev#1" to the MABP (780517), & "Rev#2" to the MABP (781010) respectively. W/encl new cover sheets. Amend w/held pursuant 2.790.
BTEWART, W.P. Florida Power Corp. 78/12/11. 4pp. 94133:328.

H. General correspondence

7812270168 Requests placement on distribution list for correspondence & repts dealing w/oper status for subj facil.
SHREVE, J. Florida, State of. 78/12/18. 1p. 94018:090.

J. Insurance & indemnity information

7811160123 Forwards copy of Amend #5 to Indemnity Group Agreement #B-34 which adds new Article VIII re premium payments & financial statements.
PAPALOS, F.A. Florida Power Corp. 78/11/09. 4pp. 94135:185.

P. Operating license stage documents & correspondence

7810230211 Notice of Issuance of Amend#15 to Facil Oper Lic#DPR-72 & Negative Declaration.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/07/24. 3pp. 94368:349.

worst case. struck rod. BABW did not notify FPC of problem existing in other units.
STEWART, W. P. Florida Power Corp. 78/10/05 2pp. 94065:360.

7810130130 Re 780926 NRC ltr FPL intends to pursue mod proposed in ltr of 780721. Flow balance analyses currently being performed are due to be completed on or about 781027. Since no new mod is proposed, no submittal sched needed.
STEWART, W. P. Florida Power Corp. 78/10/09 3pp. 94003:091

7810270165 Util Production Engr & CR#3 Plant Staff have initiated review of safety related sys that contain snubbers to determine if there are any snubbers that should be added to Tables 3.7-3 of Tech Specs.
STEWART, W. P. Florida Power Corp. 78/10/23 2pp. 94036:239.

7811080165 Forwards Tech Spec Change Requests 27 & 34, requesting amend to App A of License DPR-72. Changes concern reactor coolant pump power monitors & revisions to startup, cooldown & inservice leak & hydrostatic pressure-temp curves
STEWART, W. P. Florida Power Corp. 78/10/31 25pp. 94405:078.

7811200394 Forwards request for addl info re permanent solution to ECCB small break analysis problem per 780727 submittal.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/02. 3pp. 94419:257.

7811130181 Refers to 780926 NRC ltr & requests prompt notification of review of proposed mod to Engineered Safeguard Sys to mitigate Condition 3 event (small LOCA) Analysis of High Pressure Injection Sys will be completed & sent by 781130.
STEWART, W. P. Florida Power Corp. 78/11/07 3pp. 03553:314

7811200422 Forwards results of measurements of radioactive matl in NRC phantom on whole body counter Encl 1 contains actual amount of each radionuclide present; encl 2 gives ratio of measurements to DDE values & encl 3 gives recommendations.
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/09 5pp. 94419:180.

7811210270 Notification of 781205 seminar in Atlanta, GA to discuss new model rod effluent Tech Specs. Forwards seminar info sheet, registration form & proposed agenda.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/09. 5pp. 94485:276

7811140109 Forwards list of snubbers to be added to Table 3.7-3 of Tech Specs. FPC is currently preparing a Tech Spec change request which will include these snubbers. Request will be submitted w/next license amend.
STEWART, W. P. Florida Power Corp. 78/11/10 5pp. 94425:136.

7811200033 Forwards BECY-78-534, "Policy Session Item," dtd 781025 w/ "License Regulatory Performance Evaluation." w/o encl.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/15. 2pp. 94070:348.

7812130120 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl w/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15 5pp.

7812190033 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133). w/o encl AND: 7811270173 & 781127018.
GRIMEB, S. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15 6pp. 94215:001.

7811240216 Responds to 781102 request & forwards addl info re proposed solution to ECCB small break analysis problem.
STEWART, W. P. Florida Power Corp. 78/11/17 6pp. 94466:344.

7811300358 Informs FPC that NRC has contracted w/Mountain West Res Inc to undertake a series of post-licensing studies of nuc pur stations. Studies will analyze corrosion impacts which occurred during constr & post-constr periods of each plant.
DEVOUNO, R. C. Division of Site Safety & Environmental Analysis. 78/11/20 2pp. 94116:240.

7812040199 Forwards resubmittal of Tech Spec Change Request 27 for amend to App A of License DPR-72. Replaces 781031 request entirely. New submittal deletes time delay relay & clarifies response time in safety analysis. Certificate of Svc encl.
STEWART, W. P. Florida Power Corp. 78/11/29 16pp. 94457:135.

during normal plant oper. Requests either commitment to limit purging or justification for continuing. Forwards model Tech Specs. SRP Section 6.2.4 w/encl Branch technical position.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/29 8pp. 94211:274.

7812280172 Emphasizes importance of submitting accurate & complete info to NRC by licensee & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. Q. Office of Inspection & Enforcement, Office of the Director. 78/12/06 2pp. 94375:013.

7812270489 Notification of forthcoming meeting on 781219 w/util to discuss content & schedule of submittals re pur increase to be proposed.
NELSON, C. Operating Reactors Branch 4 (Pre 790625). 78/12/12 2pp. 94015:295

G. Inspection reports, IE Bulletins & correspondence

7810230116 Forwards IE Inspec Rept#50-302/78-19 on 780726-29 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/14 2pp.

--7810250154 IE Inspec Rept#50-302/78-19 on 780726-29 during which no items of noncompliance were noted. Major areas inspected included: fuel handling activities, review of annual rept & a plant tour.
DANCE, H. C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/14 11pp.

7811010299 Forwards suppl info to Item of Noncompliance #78-17-02 re designation & control of temporary auth vehicles & to Unresolved Item #78-17-08 re control of all vehicles. Full compliance will be achieved by 790223.
STEWART, W. P. Florida Power Corp. 78/10/05 1p. 94389:132.

7811130409 Forwards IE Inspec Rept#50-302/78-20 on 780810-11 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/05 2pp. 94008:332.

--7811130412 IE Inspec Rept#50-302/78-20 on 780810-11 during which no items of noncompliance were noted. Major areas inspected included: surveillance activities, testing & safety related piping support & restraint sys.
MARTIN, R. D. Region 2, Atlanta, Office of the Director. 78/10/05 7pp. 94008:334.

7810230290 Forwards IE Circular#78-17. (See AND: 7810230221, Docket 50-133, 781013)
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/10/13 1p. 94165:008.

7811010298 Ack receipt of 781005 ltr informing NRC of steps taken to correct violations noted during inspect#50-302/78-17.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/10/17 1p. 94389:131.

7811100017 Ack receipt of 781024 ltr informing NRC of steps taken to correct violations noted during inspect#50-302/78-21.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/01 1p. 94176:295.

--7811100021 Responds to 780929 NRC ltr re violation noted in Inspec Rept#50-302/78-21. Corrective actions: admin procedures rev to make the master mechanic responsible for assuring cleanliness of fuel transfer canal.
STEWART, W. P. Florida Power Corp. 78/10/24 1p. 94176:296.

--7811100023 Forwards IE Inspec Rept#50-302/78-21 on 780814-18 & Notice of Violation.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/29 2pp. 94176:297.

--7811100026 Notice of Violation from inspect on 780814-18.
* Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/29 1p. 94176:299.

--7811100030 IE Inspec Rept#50-302/78-21 on 780814-18 during which 1 item of noncompliance was noted: failure to follow procedures re facil cleanliness.
DANCE, H. C., QUICK, D. R. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/29 15pp. 94176:300.

781190098 Forwards IE Circular 78-18
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/06.
1p. 94113:289

7812180312 Forwards IE Inspec Rept#50-302/78-24 on 781002-06 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/08 2pp. 94356:261

--7812180317 IE Inspec Rept#50-302/78-24 on 781002-06 during which no items of noncompliance were noted. Major areas inspected incl: plant oper, followup on previous noncompliance items & unresolved items.
QUICK, D. R., TAYLOR, P. A. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/08. 12pp. 94356:263

7812180308 Forwards IE Inspec Rept#50-302/78-28 on 781011-13 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/09. 2pp. 94356:184.

--7812180311 IE Inspec Rept#50-302/78-28 on 781011-13 during which no items of noncompliance were noted. Major areas inspected incl: zero-pwr-physics tests & pwr escalation tests.
BURNETT, P. T. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/09. 4pp. 94356:186.

781240071 Ack receipt of 781030 ltr informing NRC of steps taken to correct violations noted during inspec#50-302/78-22.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/14. 1p. 94456:311.

--781240074 Responds to 781114 NRC ltr re violation noted in Inspec Rept #50-302/78-22. Corrective actions: rev survey sched divided over 4 day period; posting of radiat areas once a week in new log book.
STEWART, W. P. Florida Power Corp. 78/10/30. 2pp.

--781240077 Forwards IE Inspec Rept#50-302/78-22 on 780903-08 & Notice of Violation.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/16. 2pp. 94456:314.

--781240079 Notice of Violation from inspec on 780903-08.
* Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/16. 1p. 94456:316.

--781240081 IE Inspec Rept#50-302/78-22 on 780903-08 during which 3 items of noncompliance were noted: failure to post high radiat area & failure to post two radiat areas.
EVALD, B. C., ZAVADOSKI, R. W. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/10/13. 11pp. 94456:317.

7812120197 Forwards reproductions of articles that appeared in June & Aug 1978 editions of Nuclear Security Safeguards Newsletter, in support of IE Circular 78-17.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/17. 4pp. 94277:101.

7812040306 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
W/encl AND: 7811300055.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/24. 1p. 94127:094.

7812030063 Ack receipt of 781115 ltr informing NRC of steps taken to correct violations noted during inspec#50-302/78-23.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/24. 1p. 94334:324.

--7812030067 Responds to 781023 NRC ltr re violations noted in Inspec Rept#50-302/78-23. Corrective actions: personnel instructed, plant startup oper reviewed.
STEWART, W. P. Florida Power Corp. 78/11/15. 2pp. 94334:325.

--7812050070 Forwards IE Inspec Rept#50-302/78-23 on 780830-0901 & Notice of Violation.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/23. 2pp. 94334:327.

--7812050072 Notice of Violation from inspec on 780830-0901.
* Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/23. 1p. 94334:329.

--7812050076 IE Inspec Rept#50-302/78-23 on 780830-0901 during which 1 item of noncompliance was noted: completion & verification of procedures during review of sys realignments.
QUICK, D. R., DONAT, T. J., DANCE, H. C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/20. 8pp. 94334:330.

7812210337 Responds to 781109 NRC ltr re violations noted in Inspec Rept#50-302/78-25. Corrective actions: formal qual training guide was rev. upgraded & distrib for implementation.
STEWART, W. P. Florida Power Corp. 78/11/30. 2pp. 94014:290.

--7812210344 Forwards IE Inspec Rept#50-302/78-25 on 781016-19 & Notice of Violation.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/09. 2pp. 94014:292.

--7812210346 Notice of Violation from inspec on 781016-19.
* Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/09. 1p. 94014:294.

--7812210350 IE Inspec Rept#50-302/78-25 on 781016-19 during which 1 item of noncompliance was noted: failure to implement training & retraining for nuc auxiliary operators & assistant nuc auxiliary operators.
BRADFORD, W. H., TAYLOR, P. A., KELLOGG, P. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/09. 5pp. 94014:295.

7812290096 Ack receipt of ltr informing NRC of steps taken to correct violations noted during inspec#50-302/78-27. Response is incomplete. Requests addl info w/in 10 days.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/12/18. 1p. 94190:117.

--7812290101 Forwards IE Inspec Rept#50-302/78-27 on 781018-19 & Notice of Violation.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/15. 2pp. 94190:118.

--7812290107 Notice of Violation from inspec on 781018-19.
* Region 2, Atlanta, Safeguards Branch. 78/11/15. 1p. 94190:120.

--7812290112 IE Inspec Rept#50-302/78-27 on 781018-19 during which 2 items of noncompliance were noted: response procedures & vehicle control. Details withheld from pub disclosure. Per 2.790.
GILLESPIE, F. P., FUCHKO, J. M. Region 2, Atlanta, Safeguards Branch. 78/11/15. 1p. 94190:121.

7812280025 Forwards IE Bulletin 78-14.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/12/19. 1p. 94131:058.

R. Periodic operating reports & related correspondence

7810160094 Monthly operating rpt for Sept 1978
BARRETT, J. E. Florida Power Corp. 78/10/03. 5pp. 94003:224.

7810160081 Forwards Monthly Oper Rpt for Sept 1978.
STEWART, W. P. Florida Power Corp. 78/10/09. 1p. 94003:223.

7811200184 Forwards Monthly Oper Rpt for Oct 1978.
STEWART, W. P. Florida Power Corp. 78/11/15. 1p. 94252:304.

--7811200187 Monthly operating rpt for Oct 1978.
BARRETT, J. E. Florida Power Corp. 78/11/15. 5pp. 94252:305.

7811280268 Forwards revision to monthly operating rpt for Oct 1978.
STEWART, W. P. Florida Power Corp. 78/11/20. 1p. 94395:208.

--7811280271 Revision to monthly operating rpt for Oct 1978.
BARRETT, J. E. Florida Power Corp. 78/11/01. 1p. 94395:209.

7812200176 Forwards Monthly Oper Rpt for Nov 1978.
STEWART, W. P. Florida Power Corp. 78/12/11. 1p. 94198:337.

--7812200179 Monthly Oper Rpt for Nov 1978.
BARRETT, J. E. Florida Power Corp. 78/12/01. 3pp. 94198:338.

B. Reportable occurrences, LERs & related correspondence

7810200152 Forwards LER 78-021/04T-0.
STEWART, W. P. Florida Power Corp. 78/08/09. 1p. 94401:186.

--7810200158 LER 78-021/04T-0 on 780729, spent fuel casks were received w/ removable radioactive contamination in excess of 22,000 DPM. Isolation & decontamination started. Cause unknown.
COOPER, J. Florida Power Corp. 78/07/31. 2pp. 94401:187.

781010131 Forwards LER#78-045/031-0
STEWART, W. P. Florida Power Corp. 78/10/02. 1p. 94065:346.

--781010152 LER#78-045/031-0 on 780907, closed indication not received for Control Complex air supply damper D-1 after closed command was issued. Caused by mesh binding of air supply damper. Preventive maint will provide corrective action.
COOPER, J. Florida Power Corp. 78/09/27. 2pp. 94065:347.

781010116 Forwards LER 78-044/03L-0
STEWART, W. P. Florida Power Corp. 78/10/03. 1p. 94069:147.

--781010120 LER 78-044/03L-0 on 780907, during performance of BP-417, closed position indication not received after CFV-13, core flood B went to gas decay sys. was given command to close. Caused by faulty torque switch. Torque switch renewed.
COOPER, J. Florida Power Corp. 78/09/29. 2pp. 94067:334.

781010170 Forwards LER 78-023/04X-1.
STEWART, W. P. Florida Power Corp. 78/10/03. 1p. 94069:099.

--781010173 LER 78-023/04X-1 (supplementary info): (discovered 780914) during Jul-Aug 1978, environ samples not analysed w/ methods providing LLD's equal to or less than Tech Spec requirements.
* Florida Power Corp. 78/09/29. 2pp. 94069:096.

781010249 Forwards LER 78-025/04T-0.
STEWART, W. P. Florida Power Corp. 78/10/11. 1p. 94236:331.

--781010252 LER 78-025/04T-0 on 781001, unplanned radioactive gas release occurred when attempting to place Miscellaneous Waste Evaporator in svc. Caused by procedure inadequacies which have been revised.
COOPER, J. Florida Power Corp. 78/10/09. 2pp. 94236:332.

781010105 Forwards LER#78-048/03L-0.
STEWART, W. P. Florida Power Corp. 78/10/12. 1p. 94421:298.

--781010107 LER#78-048/03L-0 on 780918, Quadrant per tilt exceeded transient limit but not maximum limit recorded. Caused by uncoupling of grp 5, Rod 1. Control Rod Drop Test Procedure has been rev.
COOPER, J. Florida Power Corp. 78/10/10. 2pp. 94421:299.

781010147 Forwards LER 78-047/03L-0.
STEWART, W. P. Florida Power Corp. 78/10/12. 1p. 94316:342.

--781010152 LER 78-047/03L-0 on 780918, in Mode 1, while performing RCB total gas Surveillance Procedure BP-710, gas chromatograph found inoperable. Caused by failure of separation column.
* Florida Power Corp. 78/10/10. 2pp. 94316:343.

781010153 Forwards LER 78-049/03L-0.
STEWART, W. P. Florida Power Corp. 78/10/12. 1p. 94317:001.

--781010155 LER 78-049/03L-0 on 780915, relative position indication for Group 7, Rod 8 found inoperable. Caused by improper termination of reactimeter to relative position indicator module for Group 7, Rod 1. Procedure will be revised.
COOPER, J. Florida Power Corp. 78/10/09. 2pp. 94317:002.

781010110 Forwards LER 78-046/03L-0.
STEWART, W. P. Florida Power Corp. 78/10/13. 1p. 94195:201.

--781010111 LER 78-046/03L-0 on 780914, auxiliary bldg ventilation exhaust radiat monitor interlock on RMA-2 failed to respond during performance of BP-335. Caused by shorted surge suppressor which inhibited interlock function.
COOPER, W. P. Florida Power Corp. 78/10/06. 1p. 94195:202.

7810240118 Forwards LER 78-050/01T-0.
STEWART, W. P. Florida Power Corp. 78/10/17. 1p.

--7810240124 LER 78-050/01T-0 on 781006, duct seal compound which supports combustion was used around penetrations in CR-3 cable spreading room. Duct seal compound used in qualifying cable spreading room for halon sys but not as fire barrier.
COOPER, J. Florida Power Corp. 78/10/12. 2pp.

--7810240162 LER 78-051/03L-0 on 780920, reactor bldg air sampling monitor inoperable & in low flow alarm. Caused by misadjustment of a flow controller which was subsequently readjusted.
COOPER, J. Florida Power Corp. 78/10/17. 2pp.

7810310136 Forwards LER #78-027/1T-1.
STEWART, W. P. Florida Power Corp. 78/10/23. 1p. 94090:156.

--7810310141 LER 78-027/01T-1 on 780511, ltr received from B&W on 780508 re uncertainties associated w/ incorp instrumentation found to apply to CR-3. Caused by insufficient data from prototype incorp instrument studies. Quadrant power tilt revised.
COOPER, J. Florida Power Corp. 78/10/17. 2pp. 94090:157.

7810310164 Forwards LER 78-052/03L-0.
STEWART, W. P. Florida Power Corp. 78/10/23. 1p. 94090:222.

--7810310169 LER 78-052/03L-0 on 780928, operating range level transmitter for once-through steam generator B found out of calibr. Normal maint restored operability through calibr.
COOPER, J. Florida Power Corp. 78/10/20. 2pp. 94090:223.

7811070136 Forwards amended LER 78-023/04X-2. Supplementary info sheet only encl.
STEWART, W. P. Florida Power Corp. 78/11/01. 1p. 94040:131.

--7811070139 LER 78-023/04X-2: (discovered 780914), during Jul & Aug 1978, environ samples not analysed using procedures which would provide LLD's per ETB. Apparently caused by inadequate sample count time. (Supplementary info sheet).
* Florida Power Corp. 78/10/26. 2pp. 94040:132.

7811070204 Forwards LER 78-054/03L-0.
STEWART, W. P. Florida Power Corp. 78/11/01. 1p. 94039:080.

--7811070208 LER 78-054/03L-0 on 781004, in cable spreading room, several penetrations to control room were found to lack fire barrier matl. Caused by inadequate installation & insap.
STEWART, W. P. Florida Power Corp. 78/11/01. 2pp. 94039:081.

7811070226 Forwards LER 78-053/03L-0.
STEWART, W. P. Florida Power Corp. 78/11/01. 1p. 94039:153.

--7811070235 LER 78-053/03L-0 on 781004, during ECCB pump operation procedure BP-340A, valve DHV-110 found incapable of controlling required flow. Caused by flow controller DH-43-F18 not being valved in.
COOPER, J. Florida Power Corp. 78/10/25. 2pp. 94039:154.

7811160136 Forwards LER 78-055/03L-0.
STEWART, W. P. Florida Power Corp. 78/11/06. 1p. 94135:241.

--7811160140 LER 78-055/03L-0 on 781014, during routine operation, lube oil backup pump MUP-3C lost indication & would not start. Caused by two blown fuses in indication & control power circuit in DPDP 58 switch 4. Circuits checked & fuses renewed.
COOPER, J. Florida Power Corp. 78/11/06. 2pp. 94135:242.

7811280303 Forwards LER 78-056/03L-0.
STEWART, W. P. Florida Power Corp. 78/11/20. 1p. 94395:299.

--7811280307 LER 78-056/03L-0 on 781027, during meteorological monitoring instrumentation calibr, differential temp & wind indications found out of tolerance. Former caused by defective temp probe; latter by worn sensor bearing. Units recalibr.
COOPER, J. Florida Power Corp. 78/11/17. 2pp. 94395:300.

7812010246 Forwards LER 78-057/03L-0.
STEWART, W. P. Florida Power Corp. 78/11/24. 1p. 94390:156.

--7812010247 LER 78-057/03L-0 on 781030, during routine plant insap, both concentrated boric acid storage tank discharge valves CAV-38 & 43 were closed. Caused by improper valve alignment during restoration of sys from recirculation to normal modes.
COOPER, J. Florida Power Corp. 78/11/24. 2pp. 94390:157.

7812180150 Forwards LER 78-060/03L-0.
STEWART, W. P. Florida Power Corp. 78/12/11. 1p. 94365:251.

--7812180155 LER 78-060/03L-0 on 781115, containment radiation monitor RMA-1 found in purge mode while reactor bldg purge was in progress, preventing air sampling. Caused by personnel error.
COOPER, J. Florida Power Corp. 78/12/07. 2pp. 94365:252.

7812200178 Forwards LER 78-058/03L-0

DOCKETED ITEMS

--7812200181 LER 78-058/03L-0: on 781112, feeder breaker was open & disrupting ac power supply. Caused by personnel opening unmarked ac power feeder breaker. Breaker will be identified & labeled.
COOPER, J. Florida Power Corp. 78/12/05. 2pp. 94158:342

7812200270 Forwards LER 78-059/03L-0
STEWARD, W. P. Florida Power Corp. 78/12/11. 1p. 94207:140.

--7812200273 LER 78-059/03L-0: on 781113, control complex atmospheric radiation monitor RMA-5 went to high flow alarm, preventing actuation of interlocks which route control room air through emergency ventilation sys. Caused by vacuum pump seizing.
COOPER, J. Florida Power Corp. 78/12/05. 2pp. 94207:141.

7812200284 Forwards LER 78-061/03L-0.
STEWARD, W. P. Florida Power Corp. 78/12/13. 1p. 94207:212.

781220081 Forwards LER 78-063/03L-0.
STEWARD, W. P. Florida Power Corp. 78/12/15. 1p. 94343:326.

--781220084 LER 78-063/03L-0: on 781123, start-up transformer disabled, causing loss of power in cable tunnel sump pumps. Operability restored shortly. Engineering evaluation of power sys initiated.
COOPER, J. Florida Power Corp. 78/12/13. 2pp. 94343:327.

781220102 Forwards LER 78-062/03L-0.
STEWARD, W. P. Florida Power Corp. 78/12/15. 1p. 94343:355.

--781220105 LER 78-062/03L-0: on 781121, during control rod exercise procedure BP-333, absolute position indication for Rod 4 Group 3 not observed as rod was moved. Caused by sticking rod switch.
COOPER, J. Florida Power Corp. 78/12/13. 2pp. 94343:356.

781220239 Forwards LER 78-064/03L-0.
STEWARD, W. P. Florida Power Corp. 78/12/19. 1p. 94017:146.

--781220243 LER 78-064/03L-0: on 781125, during routine operation of air handling fans AHF-14A&C, low flow condition was indicated. Cause was suction shroud breaking loose & carrying into fan blade assembly. Broken blades AHF-14C replaced & rebalanced.
COOPER, J. Florida Power Corp. 78/12/14. 2pp. 94017:147.

781220291 Forwards LER 78-065/01T-0.
STEWARD, W. P. Florida Power Corp. 78/12/21. 1p. 94229:344.

--781220293 LER 78-065/01T-0 on 781218: during routine oper. discovered that AHF-14C was overloaded & was secured to attempt to balance air flow. AHF-14C was tripped during restart & cause was attributed to not allowing sufficient time for restart.
COOPER, J. Florida Power Corp. 78/12/19. 2pp. 94229:345.

U. Congressional/Executive Correspondence

7812080210 Responds to 781030 ltr requesting info for CF Danielson. Forwards Subj Facil Semi-Annual Radioactive Effluent Repts re gaseous, liquid & solid radioactive matl released during 1977 & first half of 1978.
DIRKSB, H. J. Office of the Executive Director for Operations. 78/11/28. 2pp. 94137:048.

--7812080211 Forwards Danielson 781020 request for info re facility nuclear waste disposal program & controls on Br-90 emissions. Requests NRC comments & views.
CHILBE, L. Senate. 78/10/30. 2pp. 94137:050.

DOCKET 90-304 ZION NUCLEAR POWER STATION, UNIT 2

F. Security, medical, emergency & fire protection plans

7810120080 Forwards analysis of Electrical Cable Penetration Fire Barrier Test conducted on 780619. Also forwards 3rd party observer rept of test & 3 detailed drawings associated w/test.
NAUGHTON, W. F. Commonwealth Edison Co. 78/09/29. 44p.

7812180195 Informs NRC name of fire protec consulting firm hired by CEIL to fulfill requirements of "Fire Protec Organization of Nuc Plant Fire Protec Functional Responsibilities Admin Controls & QA" will be submitted 790201.
NAUGHTON, W. F. Commonwealth Edison Co. 78/11/30. 2pp.

7812270365 Forwards correction of item 3.2.3 of fire protec BER. Requests delay in advising licensee of acceptability until there is a response to encl 2 of 780626 ltr.
LAING, B. O. Plant Systems Branch (Pra 791030). 78/12/07. 1p. 94229:016.

G. Adjudicatory correspondence

7811130202 "Agreed Motion for Special Prehearing Conference & to Set Sched for Further Proc" on 781120.21 or 22 to hear oral arguments & rule on motions to dismiss & to allow citizens to enter limited appearances.
STEPTOE, P. Commonwealth Edison Co. SCHELL, B. Illinois, State of. 78/10/24. 3pp. 03553:355.

7811170012 "Order for Special Prehearing Conference." The 781024 joint motion of Petitioner, Applicant & Reg Staff for special prehearing conference is granted & set for 781120.
LUTON, E. Atomic Safety and Licensing Board Panel. 78/11/02. 2pp. 94116:123.

7812120211 Submits typographical corrections to "Memo in Support of Certain Amended Contentions" filed on 781109 by State of IL W/Cert of Svc.
SEKULER, B. N. Illinois, State of. 78/11/13. 2pp. 94276:066.

7812140022 Amended contentions of St of IL re amends to Oper Lic #DPR-39 & 48 to increase spent fuel storage capacity at subj facili. Asserts that to approve amend would be contrary to NRC policy position. Cert of Svc & affidavit encl.
SEKULER, B. N. Illinois, State of. 78/11/01. 9pp. 94458:167.

78121200423 Notice of appearance by G Cunningham in proceedings re subj facili on behalf of NRC. Cert of Svc encl.
CUNNINGHAM, G. H. Office of the Executive Legal Director. 78/11/02. 2pp. 94419:185.

7812040311 Commonwealth Edison Co Motion to strike contentions & supporting memo submitted by IL Atty General on 781101. Requests that Amended Contentions #2, #6D & #16 be stricken.
ROWE, J. W., STEPTOE, P. P. Isham, Lincoln & Beale. 78/11/09. 17pp. 94129:188.

7812050047 Motion to amend Contention 6A of Intervenor's amended Contentions filed 781101 by stating that there has been insufficient dev of all credible accident scenarios in subj proc.
SEKULER, B. N. Illinois, State of. 78/11/09. 3pp. 94334:159.

--7812050051 Memorandum in support of amend contentions. Believes sta Applicant should not be allowed to use the special prehearing conference as means to circumvent the summary disposition process. W/encl Cert of Svc.
SEKULER, B. N. Illinois, State of. 78/11/09. 14pp. 94334:162.

7812050054 NRC Staff brief in opposition to the admission of Illinois proposed contentions 2, 6A, 6D, & 16 re proposed mod of spent fuel pool. Staff views cover non-emergency licensing of storage facili, contention wording, vagueness & irrelevance.
GODDARD, R. J. Office of the General Counsel. 78/11/09. 7pp. 94334:231.

7812120223 Notice of appearance by A Bielawski as counsel for util proceedings re subj facili. Cert of Svc encl.
BIELAWSKI, A. P. Isham, Lincoln & Beale. 78/11/16. 2pp. 94277:181.

7812270335 Opposes Commonwealth Edison request to increase spent fuel storage at subj facili. Fears it will become a permanent dump.
ROBERTS, M. Affiliation Unknown. 78/11/20. 1p. 94230:286.

7812270371 Notification that respondent has been added to svc lists legal & tech branch documents re Spent Fuel Pool Mod proc for subj facili as of 781127 & previous papers in Formal File are encl. (w/o encl).
GODDARD, R. J. Office of the Executive Legal Director. 78/12/05. 94229:023.

J. Insurance & indemnity information

7812190109 Requests refund of \$6 per mut in excess indemnity fee paid for Lic #DPR-2, #DPR-19, #DPR-25, #DPR-29, #DPR-30, #DPR-39, #DPR-48.
POOLE, R. D. Commonwealth Edison Co. 78/12/13. 1p.

D. Advisory Committee on Reactor Safeguards reports & correspondence

7812060394 Notice of ACRS Subcommittee on Plant Arrangements 781026 open meeting at 8:30 AM in Washington, DC to review NRC Generic Issue, Bys Interaction in Nuc Pur Plants, Task A-17 & Zion Station Bys Interaction Study.
HOYLE, J.C. Office of the Secretary of the Commission. 78/09/25 2pp. 94382:351.

P. Operating license stage documents & correspondence

7812080026 FOIA request for all records incl: quantity of radioactive matl disposed of from former Manhattan proj in IL known as Chicago Piles #1, 2 & 3. Matl disposed of in IL by Lindsay Cos at Morris Facil & Dresden facil.
HANBELL, D. Illinois, State of. 78/11/06. 2pp.

7812080093 Forwards CEIL's Proj Mileposts sched for subj facils fuel pool mods. Also included are brief statements providing bases for these mileposts. Requests that NRC staff expedite its review sched to meet 790201 & 790315 completion dates.
REED, C. Commonwealth Edison Co. 78/11/29. App. 94107:292.

7812180239 Amend#40 to Oper Lic#DPR-39. Changes Tech Specs to allow boron concentration in pressurizer to be 200 ppm less than reactor coolant loop boron concentration. Corrections are made to Tech Specs. Changes to Tech Specs encl.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/30. 6pp. 94365:003.

--7812180242 Safety Eval Rept in Support of Amend#40 to Oper Lic#39 & Amend#37 to Oper Lic#48.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/30. 4pp. 94365:013.

7810100025 Current schedule for submittal to NRC Staff of required rev ECCS analysis & associated Tech Spec changes is 780105. We scheduled rev analysis for subj facil to begin late 781031.
NAUGHTON, W.F. Commonwealth Edison Co. 78/10/03. 1p. 94033:043.

7810120036 Lic#DPR-39 & DPR-48 appl for amend to Tech Specs proposed incorporating ECCS flow requirements re a blow balance test & tamper-proof covers for manual throttles valves.
REED, C. Commonwealth Edison Co. 78/10/03. 7pp. 94332:299.

7810180040 Forwards drawing: "Location & Details of Reactor Coolant Pump Trip Pans" for subj facil as fire protec response.
NAUGHTON, W.F. Commonwealth Edison Co. 78/10/10. 1p.

7810200113 Responds to 780829 NRC request for overpressure protec Tech Spec. States that util will submit requested info by 781201.
NAUGHTON, W.F. Commonwealth Edison Co. 78/10/13. 2pp. 94367:342.

7810230102 Renewal of request to amend facil operating lic#DPR-39 & DPR-48. Proposed amend is a combined class I & class III Amend & does not require extensive environ impact rept. Tech Spec & Environ Impact statement encl.
REED, C. Commonwealth Edison Co. 78/10/13. 17pp.

7810230194 Requests withdrawal of proposed amend to facil lics DPR-39 & DPR-48 originally submitted in ltr of 760720. Completion of mod re lake discharge tanks necessitates proposed amend be cancelled.
NAUGHTON, W.F. Commonwealth Edison Co. 78/10/17. 1p. 94052:277.

7810300097 Forwards info in response to 780831 NRC ltr re pipe cracks in chem vol control due to excessive charging pump vibrations.
NAUGHTON, W.F. Commonwealth Edison Co. 78/10/24. 2pp. 94035:072.

7810100049 Forwards addl info re proposed expansion of spent fuel storage capacity of subj facil in response to 780926 NRC request. Responds to 27 NRC questions.
NAUGHTON, W.F. Commonwealth Edison Co. 78/10/24. 69pp. 94302:283.

781070168 Requests change to Oper Lic#DPR-39 & DPR-48 Tech Spec, extending rod bow penalty curve & EFPH clad collapse limits to incl higher region average fuel burnups.
REED, C. Commonwealth Edison Co. 78/10/27. 7pp. 94044:150.

781140002 Notifies applicant of 781128 NRC-sponsored seminar re Model Radiological Effluent Tech Specs for Nuc Pur Plants w/encl Seminar Info Sheet to be completed & returned by 781171 & Proposed Agenda.
KEPPLER, J.Q. Region 3, Chicago, Office of the Director. 78/11/07. 6pp.

7812100410 Provides addl info in response to questions 13 & 15 in 781024 ltr re leakage rate from spent fuel pool liner, surface dose rate at spent fuel pool, potential impact of proposed spent fuel pool mod re gaseous effluents.
NAUGHTON, W.F. Commonwealth Edison Co. 78/11/08. 3pp. 94483:123.

7811300147 Forwards "Licensing Rept for Subj Facil Spent Fuel React Mod" in response to 780203 request.
GODDARD, R.J. Office of the Executive Legal Director. 78/11/03. 1p. 94072:031.

781120104 Summary of 781025 meeting w/Subcomm on Plant Arrangements of Advisory Comm on Reactor Safeguards re Sandia Lab presentation of Bys Interaction Methodology Appl in Nuc Pur Plants & subj facil sys interaction study.
ANGLO, J. Division of Project Management. 78/11/13. 36pp. 94223:294.

7812180021 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests preworkshop registration of attendees to facilitate sending out matl. w/encl Registration Form & List of Locations.
MILLER, J.R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 5pp. 94133:281.

7812190011 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
GRIMES, B.M. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94214:274.

7812050107 Forwards rev page to Topical Rept CE-1-A: "Qual Assurance Prog. Rev. 6." Rev reflects Reg Guidel. 28 & 1.33 rev.
TURBAK, M.B. Commonwealth Edison Co. 78/11/17. 2pp.

781220213 Forwards current lic status list for subj facils. w/encl.
REED, C. Commonwealth Edison Co. 78/11/20. 9pp.

7811300042 Informs CEIL that NRC has contracted w/Mountain West Res Int to undertake a series of post-licensing studies of nuc pur stations. Studies will analyze socioecon impacts which occurred during constr & post-constr periods of each plant.
DEVOUNO, R.C. Division of Site Safety & Environmental Analysis. 78/11/20. 2pp. 94071:037.

7812270127 Forwards Commonwealth Edison "Addl Info on Proposed Expansion of Spent Fuel Storage Capacity" dtd 781108. w/o encl.
BIELEHAWKI, A.P. Isham, Lincoln & Seale. 78/11/27. 1p. 94161:084.

7812180116 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. w/encl AND 7812080207.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/28. 6pp. 94130:317.

7812180236 Forwards Amend#40 to Oper Lic#DPR-39 & Amend#37 to Oper Lic#DPR-48. Also forwards Safety Eval Rept & Notice of Issuance.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/30. 2pp. 94365:001.

--7812180244 Notice of Issuance of Amend#40 to Oper Lic#39 & Amend#37 to Oper Lic#48.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/30. 2pp. 94365:019.

7812070211 Responds to NRC 780828 ltr requesting overpressure protection Tech Specs. Requests extension to 790215 for submission due to receipt of new info.
NAUGHTON, W.F. Commonwealth Edison Co. 78/12/01. 2pp. 03555:115.

7812280129 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J.O. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp.

7812030013 Requests views of Regional Directors on Licensee performance eval of subj facils. Forwards questions to be answered by 771209.
THORNBURG, H. Division of Reactor Construction Inspection. 77/11/23. 2pp.

7812190097 Accepts topical rept#CE-1-A Rev#6, "Comm Edison Co Quality Assurance Prog for Nuc Generating Stations." Requests submittal of 36 copies.
HAASB, W.P. Quality Assurance Branch. 78/12/13. 1p.

incl fuel slipping test & fuel assemblies exam prog. Resaffirms request to NRC to expedite lic mod review & approve changes to higher region average fuel burnup Tech Specs by 781220.
REED, C. Commonwealth Edison Co. 78/11/21. 3pp. 94395:219.

Q. Inspection reports, IE Bulletins & correspondence

781108066 Forwards IE Inspec Repts#50-295/78-20 & #50-304/78-22 on 780809-11, 16, 17, 23-25, 30, 31, 0901, 07 & 08 & Notice of Violation.
FIORELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/04. 2pp. 94398:274.

--781108070 Notice of Violation from Inspec on 780809-11, 16, 17, 23-25, 30, 31, 0901, 07, 08.
e Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/04. 1p. 94398:276.

--781108074 IE Inspec Repts#50-295/78-20 & #50-304/78-22 on 780809-11, 16-17, 23-25, 30-31, 0901, 07-08 during which 1 item of noncompliance was noted: preparation for refueling.
BOYD, D. C., BIDEN, M. D., KNOP, R. C. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/04. 11pp. 94398:277.

7812050011 Forwards IE Inspec Repts#50-010/78-29, 30-237, -254, -295, -304/78-25, 30-249/78-27 & 50-265/78-26 on 781002 during which no items of noncompliance were noted.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/10/30. 2pp.

--7812050027 IE Inspec Repts for subj facili on 781002 during which no items of noncompliance were noted. Major areas inspected incl: discussion of actions being taken by util to improve its reg performance & tour of Zion station.
KNOP, R. C. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/30. 3pp.

7812060231 Forwards IE Inspec Repts#50-295/78-24 & #50-304/78-24 on 780913-15, 780920-21, 780927-29 & 781004-05 & Notice of Violation.
FIORELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/31. 2pp. 94382:184.

--7812060234 Notice of Violation from Inspec on 780913-15, 780920-21, 780927-28 & 781004-05.
e Region 3, Chicago, Office of the Director. 78/10/31. 1p. 94382:186.

--7812060236 IE Inspec Repts#50-295/78-24 & #50-304/78-24 on 780913-15, 20-21, 27-29 & 781004-05 during which 1 item of noncompliance was noted: failure to adhere to conditions of Work Request Authorization.
BOYD, D. C., BIDEN, M. D., KNOP, R. C. Region 3, Chicago, Office of the Director. 78/10/31. 5pp. 94382:187.

781150063 Forwards IE Circular 78-18.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/11/06. 1p.

7812130329 Forwards IE Inspec Repts#50-295/78-23 & 50-304/78-23 on 781012-13 during which no items of noncompliance were noted.
HEISMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/11/09. 2pp. 94307:047.

--7812130338 IE Inspec Repts#50-295/78-23 & 50-304/78-23 on 781012-13 during which no items of noncompliance were noted. Major areas inspected incl: IE Bulletin & Circular Followup & qual of elec equip & independent Inspec.
HUGHES, J. Region 3, Chicago, Office of the Director. 78/11/09. 6pp. 94307:049.

7812050287 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
W/encl AND: 7811300035.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/11/24. 1p.

7812280002 Forwards IE Bulletin 78-14.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/12/19. 1p. 94133:002.

R. Periodic operating reports & related correspondence

7810180049 Monthly Oper Rpt for September 1978.
SCHWEIDER, H. L. Commonwealth Edison Co. 78/10/03. 13pp. 94063:065.

Michigan near subj facili-July 1977 thru June 1978 Vols 1-1V "
WANDKE, N. Commonwealth Edison Co. 78/10/24. 1p. 94095:002.

--7811010131 Annual rept entitled "Oper Environ Monitoring in Lake MI near subj facili-July 1977 thru June 1978" prepared by NALCO Environ Sciences
e Commonwealth Edison Co. 78/11/01. 1617pp. 94095:003.

B. Reportable occurrences, LERs & related correspondence

7812120121 Notification of deficiency found 780913 in valve cross assemblies, inlet & exhaust push assemblies of K5V Pur Engine & corrective action to design roller pin & replace hand flaring oper.
BENDER, B. B. Cooper Industries, Inc. 78/11/03. 2pp. 94275:329.

7810170208 Forwards LER#78-037/031-0.
WANDKE, N. E. Commonwealth Edison Co. 78/09/08. 1p. 94236:131.

--7810170211 LER#78-037/031-0 on 780811 Unit 2 Containment Particulate Ventilation Rad Monitor, 2RE0011, exhibited spurious alarms, & detector would not respond to source check, due to loose signal wire on "oper" selector switch in control room.
TRZYNA, O. Commonwealth Edison Co. 78/09/08. 1p. 94236:132.

7810170184 Forwards LER#78-078/011-0.
WANDKE, N. E. Commonwealth Edison Co. 78/09/15. 1p. 94270:052.

--7810170189 LER#78-078/011-0 on 780818, possible use of atypical weld metal discovered in 4-loop PWR Reactor Vessels in subj facili Interim RCS heatup & cooldown curves calculated & used to provide adequate conservatism until issue resolved.
SHANNON, R. E. Commonwealth Edison Co. 78/09/15. 3pp. 94270:053.

7810170231 Forwards LER#78-060/031-0.
WANDKE, N. E. Commonwealth Edison Co. 78/09/25. 1p. 94236:338.

--7810170253 LER#78-060/031-0 on 780826: Unit 2 Air Ejector rod monitor 2RTPR26 failed and would not reset. Event resulted from failure of Roots-connersville blower. Pump was replaced and returned to service.
WANDKE, N. E. Commonwealth Edison Co. 78/09/25. 1p. 94236:339.

7810170218 Forwards LER#78-061/031-0.
WANDKE, N. E. Commonwealth Edison Co. 78/10/05. 1p. 94236:156.

--7810170222 LER#78-061/031-0 on 780905: during testing, MCC tripped due to a cracked Limitorque case caused by jamming. Redundant VLV was operable to insure containment integrity. Motor case, handwheel & bracket replaced & VLV returned to svc.
REIBS, J. Commonwealth Edison Co. 78/10/05. 1p. 94236:157.

7810170239 Forwards LER#78-062/031-0.
WANDKE, N. E. Commonwealth Edison Co. 78/10/06. 1p. 94236:324.

--7810170242 LER#78-062/031-0 on 780906: During testing, RHST to charging PP suction valve, 2mov-VCL126, failed to open remotely degrading sva per T. B. 3. B. 1. B. Limitorque model 5M800 valve operator torqued out Valve stroked 3 times.
REIBS, J. Commonwealth Edison Co. 78/10/06. 1p. 94236:325.

7811240218 Forwards LER#78-064/031-0.
WANDKE, N. E. Commonwealth Edison Co. 78/10/13. 1p. 94466:350.

--7811240220 LER#78-064/031-0 on 780919: during normal oper, received a channel deviation alarm. Pur range channel N42 was reading 93% instead of 100%. Caused by defective 25 volt pur supply in N42 pur range drawer.
PIECK, T. A. Commonwealth Edison Co. 78/10/13. 1p. 94466:351.

7811240145 Forwards LER#78-065/031-0.
WANDKE, N. E. Commonwealth Edison Co. 78/10/19. 1p. 94456:248.

7811240147 LER#78-065/031-0 on 780919: during normal oper, channel 2L-5 had failed high & assoc bistables were tripped, due to faulty XMTR (level, mode 1302495K). XMTR replaced w/ spare & channel recalibr.
ROOGER, C. L. Commonwealth Edison Co. 78/10/19. 1p. 94456:249.

7811240195 Forwards LER#78-066/031-0.
WANDKE, N. E. Commonwealth Edison Co. 78/10/25. 1p. 94458:342.

--7811240196 LER#78-066/03L-0 on 780923: pressurizer level 2LT-459 was found to be 6% lower than the other 2 channels. No cause was found for failure.
HANSSEN, P. Commonwealth Edison Co. 78/10/25. 1p. 94458:343.

7811240139 LER#78-067/03L-0 on 781008: 8/0 level channel 2 LI-538 was found to be indicating 6% higher than the other 2 channels. Caused by dirt in XMTR sensing lines & a XMTR oscillator PN803B27U01 being out of tune.
CAMPBELL, J. Commonwealth Edison Co. 78/11/04. 1p. 94456:362.

7811240135 Forwards LER#78-067/03L-0.
HANDKE, N. E. Commonwealth Edison Co. 78/11/06. 1p. 94456:361.

7811240176 Forwards LER#78-069/03L-0.
HANDKE, N. E. Commonwealth Edison Co. 78/11/14. 1p. 94458:271.

--7811240178 LER#78-069/03L-0 on 781015: 20 MBIV failed to close from the control room Caused by failure of both DC solenoid valves & AC solenoid valve. AC solenoid valve replaced.
MELNICKOFF, M. A. Commonwealth Edison Co. 78/11/14. 3pp. 94458:272.

7812210217 Forwards LER#78-071/03L-0.
HANDKE, N. E. Commonwealth Edison Co. 78/12/08. 1p. 94279:117.

--7812210221 LER#78-071/03L-0 on 781108: during monthly performance test on containment spray pump 2C, a cooling water hose on diesel engine broke. Caused by a defective cooling water hose on diesel engine.
KRAHCZAK, A. T. Commonwealth Edison Co. 78/12/08. 1p. 94279:118.

T. Hearing transcripts on non-antitrust matters

7812040045 Transcript of 781121 hearing re subj facil spent fuel pool expansion, pp 181-287.
LUTON, E., REMICK, F. J., LITTLE, L. W. Atomic Safety and Licensing Board Panel. 78/11/21. 107pp. 94225:179.

7812040047 Transcript of 781120 hearing re subj facil spent fuel pool expansion, pp 1-180.
LUTON, E., REMICK, F. J., LITTLE, L. W. Atomic Safety and Licensing Board Panel. 78/11/20. 181pp. 01791:037.

DOCKET 90-305 KEWAUNEE NUCLEAR POWER PLANT

F. Security, medical, emergency & fire protection plans

7810300116 Summary of 780928 & 29 meeting re fire protec open items. Util agreed to implement some parts of the "Fire Safety Protec Eval" by BOD101 & present further rept as to why other recommendations need not be met.
MLYNICZAK, M. M. Operating Reactors Branch 1 (Pre 790625). 78/09/29. 4pp. 94035:189.

7810130110 Request for addl info on fire protec w/addl staff position re fire rating of barriers separating diesel generator rooms from corridor to screenhouse.
SCHENCKER, A. Operating Reactors Branch 1 (Pre 790625). 78/10/06. 4pp.

7810300105 Forwards responses to 781006 NRC request for addl info re fire protec: "Responses to Request for Addl Info", "Analysis of Circulating Water Pump Oil Fire", "Analysis of Relay Room Fire".
JAMES, E. W. Wisconsin Public Service Corp. 78/10/25. 14pp. 94035:026.

7812210194 Forwards rev to Industrial Security Manual of subj facil. Requests w/holding from public disclosure.
JAMES, E. W. Wisconsin Public Service Corp. 78/12/18. 1p. 94279:066.

G. Adjudicatory correspondence

7810160017 Expresses concern re adequate & reliable elec pwr supply. Requests limited appearance in support of util in subj lic renewal proceedings.
HOFFMAN, R. P. Green Bay Packing, Inc. 78/09/29. 1p. 94004:339.

7810170040 Requests limited appearance in support of WI Pub Bvc in increased spent fuel storage matter.
PEARSON, T. R. Affiliation Unknown. 78/10/02. 1p. 94235:335.

7811210471 Issueance date for principal documents has been deferred to 781127.
LAWRENCE, J. F. Office of the Executive Legal Director. 78/10/31. 1p. 03558:220.

7812010079 Requests info re making appearance at pub hearing re subj facil.
SCHMIDT, T. H. Wisconsin Paper Council. 78/10/31. 1p. 94416:225.

7812040141 Forwards NRC Staff's interrogs to Citizens for Safe Energy/ Safe Haven, Ltd. Response must be served on or before 781128.
LAWRENCE, J. F. Office of the Executive Legal Director. 78/11/09. 1p. 94456:087.

--7812040144 NRC Staff interrogs to, & request for production of documents from intervenors Citizens for Safe Energy/Safe Haven Ltd. Interrogs concern testimony to be presented, admitted contentions & ABLD questions.
LAWRENCE, J. F. Office of the Executive Legal Director. 78/11/09. 9pp. 94456:088.

7812040283 Forwards Staff Interrog to Citizens for Safe Energy/Safe Haven Ltd. Response must be served by 781128.
LAWRENCE, J. F. Office of the Executive Legal Director. 78/11/09. 1p. 94379:342.

--7812040288 NRC Staff Interrogs to & Request for the Production of Documents from Intervenors Lakeshore Citizens for Safe Energy/Safe Haven Ltd.
LAWRENCE, J. F. Office of the Executive Legal Director. 78/11/09. 9pp.

7812050245 Forwards Staff Interrogs to State of WI. Response requested by 781128.
LAWRENCE, J. F. Office of the Executive Legal Director. 78/11/09. 1p. 94202:068.

--7812050252 NRC request for production of documents from & interrogs to State of WI re planned testimony & witnesses.
LAWRENCE, J. F. Office of the Executive Legal Director. 78/11/09. 3pp. 94202:069.

7812110306 Interrogs submitted by intervenor LACBE to applicant WPBC re LACBE contentions on such topics as radioactive emissions, experiments on deterioration of neutron absorber plates & removal of radioactive wastes. Certificate of Bvc encl.
BAER, B. A. Lakeshore Citizens for Safe Energy. 78/11/11. 4pp. 94204:090.

7811290273 Notice of w/drawal by J Lawrence as counsel representing NRC in proc re increase spent fuel storage capacity at subj facil. Future correspondence should be addressed to W Olmstead, Cert of Bvc encl.
LAWRENCE, J. F. Office of the Executive Legal Director. 78/11/13. 3pp. 94237:036.

7812120220 Licensee WI Pub Bvc first set of interrogs to & request for production of documents from intervenors LACE & St of WI. Interrogs concern inter alia identification of intervenors contentions & presentation of evidence.
BAKER, D. A., KEANE, S. E. Wisconsin Public Service Corp. 78/11/20. 3pp. 94243:049.

7812180267 Response by intervenors B Baer & W Schaefer to NRC Staff's first set of interrogs. Cert of Bvc encl.
BAER, B. A., SCHAEFER, W. Affiliation Unknown. 78/11/28. 9pp. 94365:335.

7812210006 "Intervenors Responses to Licensees' First Set of Interrogs" A Thermo-Inversion around the plant site may cause a higher level of radiat to be present. Thermo-Inversion prevents emissions escaping to higher atmosphere. Cert of Bvc encl.
CORDARG, W. M. Affiliation Unknown. 78/11/28. 7pp. 94249:271.

7812220027 Interrogs propounded by St of WI to applicants WIPB, WI Pwr & Light & Madison gas & Elec re appl to mod spent fuel pool. Interrogs concern Contentions #2 & #13.
WALSH, P. Wisconsin, State of. 78/11/30. 4pp. 94248:322.

--7812220029 Interrogs propounded by St of WI to NRC Staff. Interrogs concern Staff's position re tech merit of each of intervenor's admitted contentions.
WALSH, P. Wisconsin, State of. 78/11/30. 4pp. 94248:326.

--7812220031 St of WI's answers to NRC Staff's first set of interrogs & request for production of documents. St does not anticipate utilizing in its cross-exam any documents not already listed by Staff & applicant WIPB. Cert of Bvc encl.
WALSH, P. Wisconsin, State of. 78/12/01. 3pp. 94248:330.

7812270037 Notifies intervenor that they failed to address section "c" of "Interrogatories Relating to Bd Questions" of 781109, which must be answered in timely writing.
EVANS, D.J. Office of the Executive Legal Director. 78/12/05. 3pp. 94160:207.

P. Operating license stage documents & correspondence

7812130386 "Fire Protec in Oper Nuc Pwr Stations-Kewaunee Safety Eval Rept Review" lists exceptions to fire protec prog representing a differing engr point of view which should be eval by NRC, incl turbine bldg, control valves/air compressor.
HALL, R.E. Brookhaven National Laboratory. 7812130386. 78/09/06. 6pp. 94292:222.

7810110180 Qualification of Reactor Physics Methods for appl to subj facil. Addresses reactor model description, qualification & quantification of reliability factors & appls to ops & reload safety evaluations of subj facil.
* Wisconsin Public Service Corp. 78/09/29. 188pp. 94065:001.

7810120041 Forwards non-proprietary & proprietary copies of "Qualification of Reactor Physics Methods for Appl to Kewaunee" w/description of neutronic calculation methodology for NRC rev. W/o encl repts.
JAMES, E.W. Wisconsin Public Service Corp. 78/10/05. 2pp. 94332:315.

--7810120042 States that some matl in the rept "Qualification of Reactor Physics Methods for Appl to Kewaunee" is proprietary & should be withheld from public.
FISHER, J.R. Nuclear Associates International Corp. (subs. of Control Data Corp.). 78/09/28. 6pp. 94332:317.

7810110093 Responds to 780913 NRC request for schedule for submittal of rev EOCB analysis w/corrected tritium-water heat generation calculations. Earliest submittal date is Jan, 1974
JAMES, E.W. Wisconsin Public Service Corp. 78/10/06. 1p. 94065:352.

7810310016 Summarizes meeting on 780929 re Westinghouse rod bank swap measurement prog.
ROSENTHAL, J.E. Reactor Safety Branch (Pre 791030). 78/10/13. 4pp. 94094:326.

7811080339 Notice of 781101 meeting w/util re reactor physics methods qualification.
MLYNEZAK, M.M. Operating Reactors Branch 1 (Pre 790625). 78/10/23. 2pp. 94406:305.

7810270132 Forwards copies of proposed Amend#35 to subj facil Tech Specs. Proposed change responds to NRC request dtd 780828 re Overpressure Protection Tech Specs on mode installed in subj facil.
JAMES, E.W. Wisconsin Public Service Corp. 78/10/24. 8pp. 94060:037.

7811200373 Summarizes meeting of 781101 w/representatives of WPSC, NAI & Exxon re NRC review of WPSC topical rept, "Qual of Reactor Physics Methods for Appl to Kewaunee" of 781005. NRC will issue formal request for addl info. Attendance list encl.
MLYNEZAK, M.M. Operating Reactors Branch 1 (Pre 790625). 78/11/06. 3pp. 94419:234.

7811130141 Notifies applicant of 781128 NRC-sponsored seminar re Model Radiological Effluent Tech Specs for Nuc Pwr Plants. Encl w/Seminar Info Sheet (to be completed & returned by 781117) & Proposed Agenda.
KEPPLER, J.Q. Region 3, Chicago, Office of the Director. 78/11/07. 6pp. 94087:325.

7811140196 Forwards proposed Amend#36 to subj Facil Tech Spec, changing definition of rated pwr, updating safety related shock suppressor listing & correcting error in listing of fire detectors. Also forwards check for fee.
* Wisconsin Public Service Corp. 78/11/10. 18pp. 94384:295.

7811280079 Forwards request for addl info after reviewing topical rept, "Qualification of Reactor Physics Methods for Appl to Kewaunee." Response requested by 781130.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/13. 3pp. 03554:262.

7811280359 Forwards copy of TB 3.10-1 which was issued w/Amend#16 to Facil Oper Lic#DPR-43 on 770325. This page was inadvertently omitted from some Tech Spec copies.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/15. 3pp. 94397:219.

7812150198 Notice of workshops re implementation of training & qual requirements contained in Append B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. W/encl Registration Form & List of Locations.
MILLER, J.R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 3pp.

7812190062 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pwr Plants" (NUREG-0133).
GRIGER, B.K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94215:101.

7812150006 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND
7812080207.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/28. 6pp. 94209:206.

7812080188 Forwards Safety Eval & Environ Impact Appraisal dtd 781201 re auth to increase spent fuel storage pool capacity at subj facil.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/12/01. 2pp. 94109:230.

--7812080190 Safety Eval re Mod of spent fuel storage pool of subj facil. Concludes such expansion will not be inimical to pub health or security.
* Office of Nuclear Reactor Regulation, Director. 78/12/01. 12pp. 94109:232.

--7812080193 Environ Impact Appraisal re mod to spent fuel storage pool. Finds proposed lic amend will not significantly affect quality of human environ, so environ impact statement need not be prepared.
* Office of Nuclear Reactor Regulation, Director. 78/12/01. 20pp. 94109:246.

7812080108 Responds to 781115 request for addl info re "Qual Reactor Physics Methods for Appl to Kewaunee." Addl info describing methodology & procedures to eval key physics parameters to determine if reanalysis of accidents is req set for 790115.
JAMES, E.W. Wisconsin Public Service Corp. 78/12/05. 22pp. 94107:314.

7812280119 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J.Q. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94310:215.

7812280011 Forwards Amend#23 to Facil Oper Lic#DPR-43--revising tech specs as requested in 781025 ltr w/Safety Eval & Notice of Issuance.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/12/12. 2pp. 94130:193.

--7812280015 Amend#23 to Facil Oper Lic#DPR-43 revising Tech Specs re completion of facil mode for fire protec.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/12/12. 2pp. 94130:195.

--7812280016 Safety Eval Rept supporting Amend#23 to Oper Lic#DPR-43 concluding that proposed mode are acceptable re improvements in fire protec prog & continued safe oper of facil, pending resolution of incomplete items.
* Office of Nuclear Reactor Regulation, Director. 78/12/12. 53pp. 94130:197.

--7812280018 Notice of Issuance of Amend#23 to Facil Oper Lic#DPR-43 on 781212.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/12/12. 2pp. 94130:231.

7812270171 Responds to 770926 ltr re boron dilution accidents. Re-eval of potential for such accidents concludes no single failure could result in reactor coolant boron dilution by contents of caustic spray additive standpips.
JAMES, E.W. Wisconsin Public Service Corp. 78/12/20. 2pp. 94018:092.

Q. Inspection reports, IE Bulletins & correspondence

7810110182 Forwards IE Inspec Rept#50-305/78-15 on 780807-11 during which no items of noncompliance were noted.
FIORELLI, Q. Region 3, Chicago, Office of the Director. 78/09/06. 2pp. 94069:117.

--781010185 IE Inspec Rept#50-305/78-13 on 780903 during which no items of noncompliance were noted. Major areas inspected included: Plant Oper refueling startup testing, review of plant oper after refueling, non routine event followup.
CHOLEB, N. C., WARNICK, R. F. Region 3, Chicago, Office of the Director. 78/09/03. 1pp. 94069:119.

7810190026 Forwards IE Inspec Rept#50-305/78-14 on 780731-0802 during which no items of noncompliance were noted.
HEISHMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/09/12. 2pp. 94329:353

--7810190029 IE Inspec Rept#50-305/78-14 on 780731-0802 during which no items of noncompliance were noted. Major areas inspected included: Followup of unresolved items identified in IE Rept #50-305/78-08 & mats for snubber seals.
DANIELSON, D. H. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/09/12. 5pp. 94329:335.

7812010065 Forwards IE Inspec Rept#50-305/78-16 on 780911-13 during which no items of noncompliance were noted.
DAVIS, A. B. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/09/29. 2pp. 94416:190.

--7812010070 IE Inspec Rept#50-305/78-16 on 780911-13 during which no items of noncompliance were noted. Major areas inspected included: quality control of analytical measurements of radiol effluents, internal audits.
AXELSON, W. L., EBBIO, T. H. Region 3, Chicago, Office of the Director. 78/09/29. 9pp. 94416:192.

7810230337 Forwards IE Circular#78-17. (See AND: 7810230221 Docket 50-133, 781013)
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/10/13. 1p. 94166:360.

7810703227 Responds to 780908 request for addl info re IE Inspec Rept#50-305/78-10 item of noncompliance: contention that record keeping of ultrasonic test couplant matl did not conform to Tech Specs.
JAMES, E. W. Wisconsin Public Service Corp. 78/10/13. 2pp. 94039:196.

7812060124 Forwards IE Inspec Rept#50-305/78-17 on 781002-06 during which no items of noncompliance were noted.
FIORELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/27. 2pp. 94332:231.

--7812060128 IE Inspec Rept#50-305/78-17 on 781002-06 during which no items of noncompliance were noted. Major areas inspected incl: design changes, procurement, records, nonroutine followup & IE Bulletin followup.
CHOLEB, N. C., WARNICK, R. F. Region 3, Chicago, Office of the Director. 78/10/27. 6pp. 94332:233.

7811130351 Ack receipt of 781013 ltr informing NRC of steps taken to correct violations noted in 780908 NRC ltr. States that recordkeeping is licensee's responsibility.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/11/06. 1p. 94007:332.

7811150072 Forwards IE Circular 78-18.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/11/06. 1p. 94112:280.

7812120225 Forwards IE Inspec Rept#50-305/78-19 on 781016-17 during which no items of noncompliance were noted.
FIORELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/06. 2pp. 94277:135.

--7812120231 IE Inspec Rept#50-305/78-19 on 781016-17 during which no items of noncompliance were noted. Major areas inspected incl: training & requal prog, fire protec & prevention prog.
MASSE, R. E. Region 3, Chicago, Office of the Director. 78/11/02. 3pp. 94277:137.

7812050267 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
W/enc AND: 781300055.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/11/24. 1p. 94202:213.

7812290009 Forwards IE Inspec Rept#50-305/78-21 on 781025-26 & Notice of Violation.
FIORELLI, O. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/24. 2pp. 94207:330.

--7812290011 Notice of Violation from Inspec on 781025-26.
* Region 3, Chicago, Office of the Director. 78/11/24. 1p. 94207:332.

--7812290014 IE Inspec Rept#50-305/78-21 on 781025-26 during which 1 item of noncompliance was noted: failure to fully implement an acceptable insvc testing prog for pumps & valves.
SMITH, J. D., STREETER, J. F. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/21. 3pp. 94207:333.

7812280053 Forwards IE Bulletin 78-14.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/12/19. 1p. 03534:358.

R. Periodic operating reports & related correspondence

7810170156 Forwards Monthly Oper Rept for Sept 1978.
JAMES, E. W. Wisconsin Public Service Corp. 78/10/10. 1p. 94236:091.

--7810170159 Monthly Oper Rept for Sept 1978.
WALLACE, J. J. Wisconsin Public Service Corp. 78/10/04. 4pp. 94236:092.

7811140116 Forwards Monthly Oper Rept for Oct 1978.
JAMES, E. W. Wisconsin Public Service Corp. 78/11/08. 1p. 94425:177.

--7811140118 Monthly Oper Rept for Oct 1978.
WALLACE, J. J. Wisconsin Public Service Corp. 78/11/03. 6pp. 94425:178.

B. Reportable occurrences, LERs & related correspondence

7810100055 Forwards LER#78-030/03L-0.
JAMES, E. W. Wisconsin Public Service Corp. 78/10/02. 1p. 94415:161.

--7810100062 LER#78-030/03L-0 on 781002: during steady full pwr oper one SW pump failed due to excessive undercutting of the encl tube for tool relief at internal end threads during mfg.
RUITER, O. H. Wisconsin Public Service Corp. 78/10/02. 1p. 94415:162.

7810130149 Forwards LER#78-024/03X-3.
JAMES, E. W. Wisconsin Public Service Corp. 78/10/09. 1p. 94002:354.

7810230247 Forwards LER#78-024/03X-0.
JAMES, E. W. Wisconsin Public Service Corp. 78/10/09. 1p. 94164:081.

--7810230251 LER#78-024/03X-3 on 780903: supply breaker to MCC 1-62F opened 17 times on 9 separate dates. Breaker trip coil does receive 2 spurious elec trip signal w/out overload condition present.
RUITER, O. H. Wisconsin Public Service Corp. 78/10/09. 1p. 94164:082.

7810240128 Forwards LER#78-031/03L-0.
JAMES, E. W. Wisconsin Public Service Corp. 78/10/18. 1p.

--7810240138 LER#78-031/03L-0 on 780918: small leak was discovered on the discharge of coolant charging pump IC while CCP 1B was out of SVC & for maint. Crack in CCP 1C was caused by oper stress & vibration loading.
RUITER, O. H. Wisconsin Public Service Corp. 78/10/18. 1p.

7811220196 Forwards LER#78-032/03L-0.
JAMES, E. W. Wisconsin Public Service Corp. 78/11/17. 1p. 94074:251.

--7811220199 LER#78-032/03L-0 on 781019: while performing monthly 4-hour full load E/O SP load, D/O 1A drifted low & could not be raised until load was decreased to less than 2100 KW. Caused by mald adjustment of cam in upper load limit switch.
RUITER, O. H. Wisconsin Public Service Corp. 78/11/17. 1p. 94074:252.

7811280299 Forwards LER#78-033/04L-0 & 78-034/03L-0.
JAMES, E. W. Wisconsin Public Service Corp. 78/11/22. 1p. 94395:294.

--7811280305 LER#78-033/04L-0 on 781024: Results of PH analysis of grab sample from water softening unit regeneration waste water were not recorded on log sheet. Lab personnel failed to record PH sample results.
RUITER, O. H. Wisconsin Public Service Corp. 78/11/22. 1p. 94395:295.

DOCKETED ITEMS

--7811280310 LER#78-034/03L-0 on 781025: train B reactor trip breaker would not open immediately when a trip signal was applied. Adjustable reset lever on breaker undervoltage trip attachment would not reset due to normal wear.
RUITER, O. H. Wisconsin Public Service Corp. 78/11/22. 1p.
94395:276.

7812150232 Forwards LER#78-035/03L-0
JAMES, E. M. Wisconsin Public Service Corp. 78/12/11. 1p.
94213:136.

--7812150234 LER#78-035/03L-0 on 781111: improper switching sequence caused bus 1-5 to trip. Caused by addl switching procedure step added in wrong place. Procedure corrected & tested while plant was shutdown.
RUITER, O. H. Wisconsin Public Service Corp. 78/12/11. 1p.
94213:137.

DOCKET 30-306 PRAIRIE ISLAND NUCLEAR STATION, UNIT 2

F. Security, medical, emergency & fire protection plans

7811140143 Forwards responses to 780913 & 19 NRC ltr re addl info on fire protec prog equip.
MAYER, L. O. Northern States Power Co. 78/11/08. 16pp. 94383:250.

7811290076 Summarizes progress of Fire Protec Review W/enc1 request for addl info, staff positions, & evals. Requests meeting w/licenses 1 week after receipt of responses to latest staff positions.
LATINAS, O. Plant Systems Branch (Pre 791030). 78/11/16. 27pp.
94192:182.

7811290365 Requests addl info re fire protec prog & forwards NRC staff proposal & recommendations. Areas needing info include: equip req for achieving hot shutdown & fire brigade training.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/21. 28pp. 94180:001.

I. Financial information

7810300156 Forwards 1977 Annual Rept & schedule showing 1977 actual Cash Flow to comply with Reg Guide 9.4. Net income by dividends declared instead of dividends paid has been reduced to get retained earnings figure.
CARLSON, L. R. Northern States Power Co. 78/10/23. 2pp. 94034:143.

P. Operating license stage documents & correspondence

7811150115 Requests lic amend no later than 781215 re Deletion of Reactor Trip on Turbine Trip Below 50% pur & enc1 requests for Tech Spec changes & safety evaluation supporting changes.
MAYER, L. O. Northern States Power Co. 78/11/03. 34pp. 94113:340.

7811170256 Forwards Amend#32 & 26 to subj facil oper lic re pressurized heatup rate reactor vessel pressure-temperature oper limits. Also forwards BER, Notice of Issuance, Tech Specs & Table of contents related to Amend#32 & 26.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/01. 2pp. 94049:035.

--7811170259 Amend#32 & 26 to oper lic changing Tech Specs related to heatup rate, reactor vessel pressure-temperature oper limits, and the part length rods.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/01. 18pp. 94049:037.

--7811170265 BER for Amends#26 & 32 to subj facil oper lic. Concludes that Tech Spec changes related to heatup rate, reactor vessel pressure-temp oper limits, & part length rods does not involve a major hazards consideration.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/01. 5pp. 94049:055.

--7811170268 Notice of Issuance of Amend#32 & 26 to subj facil oper lic.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/01. 2pp. 94049:060.

7811280403 Notice of Proposed Issuance of Amend to Facil Oper Lic #DPR-42 & DPR-60, rev Tech Spec re use of Exxon fuel in Cycles 5 thru 8.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/09. 4pp. 94397:317.

7812010083 Confirms telephone discussion on 781107 re 781116 meeting for local pub officials in vicinity of subj facil. Forwards tentative agenda.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/08. 3pp. 94417:137.

7812190047 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pwr Plants" (NUREG-0133).
GRIMES, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94215:039.

7810170220 Outlines schedules for correction of Zirconium-Water reaction inconsistency & dev of Upper Plenum Injection model & plant specific calculations. Tentative completion date is April 1979.
MAYER, L. O. Northern States Power Co. 78/10/12. 2pp. 94236:163.

7810300100 Notice of 781026 meeting w/ util to discuss bases for reactor coolant Tech spec in 780907 NRC ltr to util.
GRUTENHUBER, M. Operating Reactors Branch 1 (Pre 790625). 78/10/12. 2pp. 94035:066.

7810300237 Evaluation of Overall Asymmetric LOCA Loads. Notifies of decision to discontinue participation in utility task group's activities. Subj util's plan is practical because of relatively recent design of reactor coolant sys piping.
MAYER, L. O. Northern States Power Co. 78/10/25. 4p. 94034:034.

7811130338 Confirms upcoming 781116 meeting to discuss NRC's reg prog for protecting pub health & safety. A tentative meeting agenda is enclosed.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/02. 3pp. 94007:305.

7811140022 Confirms upcoming 781116 meeting to discuss NRC's reg program for protecting pub health & safety. A tentative meeting agenda is enclosed.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/02. 2pp. 94419:024.

7811160191 Confirms telephone plans to meet & discuss pub health & safety protec prog as it relates to subj facil. Tentative agenda for 781116 meeting enc1.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/02. 3pp. 94136:059.

7811150147 Lic Amend request proposing change to reactor trip on turbine trip setpoint. Rev setpoint is justified on basis of NRC approved transient analysis methods employed by Westinghouse Corp.
* License Fee Management Branch. 78/11/03. 1p. 94272:360.

7811130157 Notifies applicant of 781128 NRC-sponsored seminar re Model Radiological Effluent Tech Specs for Nuc Pwr Plants. Enc1 w/Seminar Info Sheet (to be completed & returned by 781117) & Proposed Agenda.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/07. 6pp. 03583:293.

7811210452 Confirms plans for 781116 meeting concerning reg prog for protec of pub health & safety re subj facil. Tentative agenda enc1.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/08. 3pp. 94480:327.

7811290010 Forwards "Notice of Proposed Issuance of Amendments to Facil Oper Lic." in response to 780908 amend appl re refueling of facil w/Exxon Nuc Co Fuel for oper Cycles 5 thru 8 at each unit. W/enc1 AND: 7811280403.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/09. 2pp. 94179:112.

7812180050 Notice of workshops re implementation of training & qual requirements contained in Append B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. W/enc1 Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 6pp. 94133:070.

7811280195 Forwards lic amend fee for lic#DPR-42 & DPR-60. Lic amend request involves a single safety issue.
* Northern States Power Co. 78/11/22. 1p. 94013:283.

7811280279 Request for amend to oper lic#DPR-42 & DPR-60 to change Tech Specs re secondary coolant chemistry monitoring requirements. Incl safety eval & minimum frequencies for sampling tests. W/check for \$4,400.
MAYER, L. O. Northern States Power Co. 78/11/22. 3pp. 94395:222.

7812130061 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing W/encl AND.
7812080207
SCHWENGER, A. Operating Reactors Branch 1 (Pre 790623). 78/11/28
4pp. 94210:122

7812060141 Forwards Environ Event Rept 78-11 on Cooling Tower Oper for Nov 1978. Slightly elevated blowdown flow req for 3 days during month to accommodate cooling sys preventative maint work
WARD, E.C. Northern States Power Co. 78/12/01 1p. 94372:251.

7812080135 Forwards 780216 rept "Analysis of Capsule V from NSP prairie Island#2 Reactor Vessel Radiat Surveillance Prog." WCAP-9212 to replace those forwarded 780216 & lost in transit
MAYER, L.O. Northern States Power Co. 78/12/06 1p. 94104:255.

--7812080138 Forwards "Analysis of Capsule V from NSP subj facil Unit#2 Reactor Vessel Radiat Surveillance Prog." WCAP-9212
MAYER, L.O. Northern States Power Co. 78/02/16 1p. 94104:256.

--7812080142 'Analysis of Capsule V from NSP subj facil Unit#2 Reactor Vessel Radiat Surveillance Prog.' Repts effects of neutron irradiation on reactor pressure vessel matl under operating conditions
DAVIS, J.A., YANICHKO, B.E., ANDERSON, B.L. Westinghouse Electric Corp. WCAP-9212. 77/11/30. 36pp. 94104:297

7812280017 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J.O. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94131:034.

7812120215 Requests util help w/vital area analysis re subj facil. Informs of site visit on 790109-11 by Los Alamos Scien Lab representatives
SCHWENGER, A. Operating Reactors Branch 1 (Pre 790623). 78/12/08
2pp. 94306:083.

7812190154 Summary of 781026 meeting to discuss tech specs for secondary water chem reactor coolant activity & secondary coolant activity
GROTEKHAUS, M. Operating Reactors Branch 1 (Pre 790623). 78/12/12
8pp. 94340:150.

7812290236 Forwards request for addl info re Topical Rept XN-NF-78-30 in order to complete review of revised conditions Req info should be submitted w/in 45 days.
IPPC, ITO, T.A. Operating Reactors Branch 3 (Pre 790623). 78/12/19
4pp. 94191:232

G. Inspection reports, IE Bulletins & correspondence

7810110199 Ack receipt of 780918 ltr informing NRC of steps taken to correct violations noted in 780829 NRC ltr
FIORELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/04 1p. 94068:336.

7810230338 Forwards IE Circular#78-17. (See AND. 7810230221). Docket 50-312. 781013
KEPPLER, J.O. Region 3, Chicago, Office of the Director. 78/10/13
1p. 94167:041.

7811150094 Forwards IE Circular 78-18.
KEPPLER, J.O. Region 3, Chicago, Office of the Director. 78/11/06.
1p. 94112:183.

7812200091 Forwards IE Inspec Repts#50-282/78-12 & #50-306/78-13 on 780905-08, 11-14, 20-22 & 25-29 & Notice of Violation.
FIORELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/09. 2pp. 94136:333.

--7812200095 Notice of Violation from Inspec on 780905-08, 11-14, 20-22 & 25-29.
* Region 3, Chicago, Office of the Director. 78/11/09. 1p. 94136:337.

--7812200099 IE Inspec Repts#50-282/78-12 & #50-306/78-13 on 780905-08, 11-14, 20-22 & 25-29 during which 1 item of noncompliance was noted: Failure to follow an implementing procedure for approved QA prog.
FEIERABEND, C.D., WERNICH, R.F. Region 3, Chicago, Office of the Director. 78/11/06. 5pp. 94136:338.

7812210046 Forwards IE Inspec Repts#50-282/78-14 & #50-306/78-15 on 781016-20 & Notice of Violation.
FIORELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/14. 2pp. 94268:335.

--7812210049 Notice of Violation from Inspec on 781016-20.
* Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/14. 1p. 94268:337.

--7812210054 IE Inspec Repts#50-282/78-14 & #50-306/78-15 on 781016-20 during which 1 item of noncompliance was noted: an employee was not wearing proper protective equipment.
RIDEN, M.D., LITTLE, W.S. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/14. 4pp. 94268:338.

7812030278 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
W/encl AND. 7811300059
KEPPLER, J.O. Region 3, Chicago, Office of the Director. 78/11/24
1p. 94202:163

7812210036 Responds to 781109 NRC ltr re violations noted in Inspec Repts#50-282/78-12 & #50-306/78-13 Corrective actions: Design Change Index Form(A) PINOP#340 rev to incl date of completion of installation.
WACHTER, L.J. Northern States Power Co. 78/11/30. 1p. 94267:362

7812270028 Ack receipt of 781130 ltr informing NRC of steps taken to correct violations noted in 781109 NRC ltr.
FIORELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/12/14. 1p. 94159:242.

7812280062 Forwards IE Bulletin 78-14.
KEPPLER, J.O. Region 3, Chicago, Office of the Director. 78/12/19.
1p. 94354:350.

H. Periodic operating reports & related correspondence

7811140117 Monthly Oper Rept for Oct 1978.
HUNSTAD, A.A. Northern States Power Co. 78/11/01. 8pp. 94425:169

7812120091 Forwards Monthly Oper Rept for Nov 1978
MAYER, L.O. Northern States Power Co. 78/12/08. 1p. 94274:195

--7812120094 Monthly Oper Rept for Nov 1978.
HUNSTAD, A.A. Northern States Power Co. 78/12/01. 8pp. 94274:196.

7810120029 Forwards Monthly Oper Rept for Sept 1978.
MAYER, L.O. Northern States Power Co. 78/10/09. 1p. 94421:174

--7810120033 Monthly Oper Rept for Sept 1978.
HUNSTAD, A.A. Northern States Power Co. 78/09/30. 4pp. 94081:306.

7811140115 Forwards Monthly Oper Rept for Oct 1978.
MAYER, L.O. Northern States Power Co. 78/11/09. 1p. 94425:159.

I. Reportable occurrences, LERs & related correspondence

7810180034 Forwards LER#78-017/03L-0.
MAYER, L.O. Northern States Power Co. 78/09/12. 1p. 94193:199.

--7810180036 LER#78-017/03L-0 on 780815: During surveillance test, 1 channel of low pressurizer pressure tripped below 1815 psig limit & 1 channel of 10/10 steam line pressure tripped below 500 psig limit. Caused by instru drift.
HUNSTAD, A.A. Northern States Power Co. 78/09/12. 1p. 94193:200.

7810170224 Environ Event Rept 78-09 re oper of plant circulating water sys in partial recycle mode for Sept. Except for 780921, excess blowdown flow was needed. For the month, average daily blowdown flow rate was about 480 cfs.
WARD, E.C. Northern States Power Co. 78/10/02. 1p. 94236:166.

7810180021 Forwards LER#78-019/03L-0.
MAYER, L.O. Northern States Power Co. 78/10/12. 1p. 94193:191.

--7810180025 LER#78-019/03L-0 on 780915: during course of investigative maint on NIS pur range channel 2N41, channel failed. Channel taken out of svc w/in 3 minutes. Caused by failure of -25V pur supply. Pur supply replaced.
HUNSTAD, A.A. Northern States Power Co. 78/10/12. 1p. 94193:192

70215 Environ Event Rept 70-10 covering oper of Plant circulating
sys in partial recycle mode w/daily average blowdown
in excess of 150 cfs
D.E.C. Northern States Power Co 70/11/01. 1p 94039:122

70177 Reportable Occurrence #P-RD-70-21 on 701128 during local
rate test at Unit 2 refueling, penetration 258.
Containment Purge Supply, exhibited leakage in excess of Tech
Limits
DNEY, F P Northern States Power Co 70/11/30 1p 94335:136

70159 Forwards LER#70-021/01T-0
D.R.L.O. Northern States Power Co 70/12/12 1p 94133:301

7014061 LER#70-021/01T-0 on 701128 during refueling local leak rate
testing revealed leakage in excess of Tech Specs limits thru
valves in penetrations #25A & 25B Cause & Corrective action
(1) be given in Update Rept.
INSTAD, A.A. Northern States Power Co. 70/12/12. 1p

70222 Forwards LER#70-022/03L-0
D.R.L.O. Northern States Power Co 70/12/20 1p 94159:305

7020237 LER#70-022/03L-0 on 701128 during surveillance test, valve
leaking leakage from CV-31239, #22 RHR Heat Exchanger Outlet
valve was about 7 gal/hr. due to deteriorated valve packing.
INSTAD, A.A. Northern States Power Co 70/12/20 1p. 94159:306

7030309 MAINE YANKEE ATOMIC POWER PLANT

General correspondence

70099 Ack receipt of ltr describing training prog underway for
Lahouillier & Rescorl. Prog appears adequate & NRC
accept until certification when the applicants complete
program successfully.
INS, P. F. Operator Licensing Branch. 70/10/04. 1p 94422:069

70101 Comments on 700919 Oper training program submitted by util.
cludes that proposed prog is reasonable & approves them
on interim basis
MOLT, D. J. Assistant Director for Quality Assurance & Operations.
70/10/04 2pp. 94422:067

Insurance & indemnity information

70066 Responds to 700922 NRC ltr by encl liability insurance
endorsements #21-30, 33-38 to Policy #MF-194 & Endorsements
#24-26, 35 to Policy #MF-60. Endorsements #36, 37 & 38 to
#30 have not yet been received
STAREE, R. A. Maine Yankee Atomic Power Co. 70/10/04. 62pp.
70/10/15

70137 In response to 700922 request, forwards Endorsements 21 thru
30 MF-194 & Endorsements 1 thru 24, 26 thru 35 to MF-60;
37 & 38 to MF-60 have not been received by util yet.
STAREE, R. A. Maine Yankee Atomic Power Co. 70/10/04 1p.
70/10/14

Operating license stage documents & correspondence

70171 Forwards check for \$2800 for licensing rev fee for proposed
age 665, deleting lic conditions for water quality limits
surveillance requirements falling under EPA. Fee submitted
on protest pending determination of legality of fee.
STAREE, R. A. Maine Yankee Atomic Power Co 70/10/02. 2pp.
70/10/09

70036 Forwards supplementary rept, CEN-93(M)-P, Amend 1-P: "ME Yankee
#3 Guide Tube Inspect & Analysis", prepared by Combustion
Inc. Contains proprietary info & is withheld from public.
(files continued reactor oper. W/out encl
STAREE, R. A. Maine Yankee Atomic Power Co. 70/10/06. 2pp.

70153 Forwards check for \$8300 for lic review fee for Class IV
ECSS Evaluation Model for Lic#DPR-36. Believes NRC fee
schedule is illegal & makes payment under protest & reserves
right to recover all or part thereof.
RDS, D. W. Maine Yankee Atomic Power Co. 70/10/11. 2pp.
70/10/07

70137 Confirms accomplishment of Item 3.1.2a of Table 3.1 in ltr
700424 from NRC to R. Grace. Notices on hose stations
intent to control room replaced w/nozzles suitable for use
in eq areas
Y.D.E. Maine Yankee Atomic Power Co 70/10/12. 1p. 94400:355

701080043 Confirms sched of Corp mgt meeting for 701027 to discuss NRC
inspect findings re util radiat protec prog
GRIER, B. H. Region 1, Philadelphia. Office of the Director.
70/10/19 1p 94398:134

7010270077 Describes lube oil sys & proposed mod to reduce potential
lube oil leakage from reactor coolant pump Lube oil sys
oversized drawing encl.
MONDY, D. E. Maine Yankee Atomic Power Co 70/10/23 3pp.
94099:192

701290317 Forwards Amend#42 to Facil Oper Lic#DPR-36 rev Tech Specs as
requested in 771107 & 771201 ltrs W/appraisal of changes in
monitoring prog & Notice of Issuance.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 70/11/08 3pp.
94193:264

--701290318 Amend#42 to Facil Oper Lic#DPR-36 rev Tech Specs re
radiological & thermal effluent monitoring Changes involve
environ surveillance prog, air particulate chemical gamma
monitoring & estuary water temp monitoring
REID, R. W. Operating Reactors Branch 4 (Pre 790625) 70/11/08
10pp 94193:267

--701290319 Notice of Issuance of Amend#42 to Facil Oper Lic#DPR-36 on
701108 Amend rev Tech Specs to require single continuously
composed radiological sample at plant intake
REID, R. W. Operating Reactors Branch 4 (Pre 790625) 70/11/08
2pp 94193:277

701150091 Forwards "MYAP Reactor Oper w/mod CEA Guide Tubes" &
Amend 1-P "MYAP Cycle III Guide Tube Inspect & Analysis"
GRDCE, R. H. Maine Yankee Atomic Power Co. 70/11/09 1p 94114:012

--701150099 "MYAP Reactor Oper w/Modified CEA Guide Tubes." Defines
guide tube wear observed in C-E reactors & describes
modifications which will prevent further wear during Cycle
4.
* C-E Power Systems. CEN-093(M)-NP. 70/11/09. 86pp 94114:013

701270086 Forwards Startup Test Rept prior to Oper of Cycle 4. W/encl
Cycle 4 calculational model changes & CEA drop test results
& analysis
GRDCE, R. H. Maine Yankee Atomic Power Co. 70/11/15 26pp.
94246:331

7012150113 Notice of workshops re implementation of training & qual
requirements contained in Appendix B of 10CFR73. Requests
pre-workshop registration of attendees to facilitate sending
out matl. W/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030).
70/11/15. 5pp

7012190042 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for
PWR's (NUREG-0473) & "Preparation of Radiological Effluent
Tech Specs for Nuc Pur Plants" (NUREG-0133)
GRIBBS, B. K. Assistant Director for Engineers & Projects (Pre
790625). 70/11/15. 6pp. 94215:023

7012070212 Notice of seminar on 701208 on new Model Radiological
Effluent Tech Specs for nuc pur plants. Requests advance
submission of seminar specific questions W/encl Seminar Info
Sheet, Proposed Agenda & maps.
GRIER, B. H. Region 1, Philadelphia. Office of the Director.
70/11/21. 8pp 03555:107

701290243 Informs NRC of newly dev spent fuel storage concept to
increase spent fuel storage capability of existing storage
racks at environ & economic cost below any known
alternative. Involves compaction & storage. W/encl eval
VANDENBURGH, D. Maine Yankee Atomic Power Co. 70/11/22. 25pp.
94237:272

7012140040 Finds Yankee Pur Spike Model (YAEC-1140) acceptable. Forwards
eval & suppl
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 70/11/27. 2pp.

--7012140042 Safety Eval Rept for Yankee Pur Spike Model. Finds model
acceptable. W/encl SER Suppl#1 dtd Aug 1978.
* Operating Reactors Branch 4 (Pre 790625). 70/11/27. 15pp
94126:315

7012180373 Notification of 701212 meeting re proposed deletion of
environ monitoring requirements.
NELSON, C. C. Operating Reactors Branch 4 (Pre 790625). 70/11/28.
2pp. 94398:198

7812130098 Discusses possible dangers of LOCA in containment purging during normal plant operation. Requests either commitment to limit purging or justification for continuing w/enc1 AND:
7812080207.
REID, R.W. Operating Reactors Branch 4 (Pre 790623). 78/11/29. 6pp.
94212:010.

7812140383 Requests w/in 60 days specs which provide adequate assurance that containment purge valves & all hatches leading from containment are closed before radioactivity is released to environ.
REID, R.W. Operating Reactors Branch 4 (Pre 790623). 78/11/30 2pp.
03590:112.

7812180012 Notice of postponed 781213 meeting in Bathesda to discuss ME Yankee Atomic Power's proposal to store fuel in mod "compact" fuel bundle in spent fuel storage pool. Meeting date to be determined.
NELSON, C. Operating Reactors Branch 4 (Pre 790623). 78/12/04. 3pp.
94133:248.

7812200220 Forwards non-proprietary version of rept entitled "Cladding Damage Analysis of Subj Fac11 Core II Burnable Poison Rods."
GROCE, R.H. Maine Yankee Atomic Power Co. 78/12/14. 1p. 94143:247.

--7812200223 "Cladding Damage Analysis of Core II Burnable Poison Rods."
* Combustion Engineering, Inc. CEN-077(M)-NP. 78/10/30. 31pp.
94143:248.

G. Inspection reports, IE Bulletins & correspondence

781016024B Forwards IE Bulletin#7B-12: "Atypical Weld Material in Reactor Pressure Vessel Welds" requesting action w/in 60 days & list of IE Bulletins issued in 1978
ORIER, B.H. Region 1, Philadelphia, Office of the Director.
78/09/29. 6pp. 94471:308.

7811060192 Forwards IE Circular#7B-17. (See AND: 7810230221, Docket #30-133, 781013)
ORIER, B.H. Region 1, Philadelphia, Office of the Director.
78/10/13. 1p. 94489:168.

7811130092 Ack receipt of 781003 ltr informing NRC of steps taken to correct violations noted during Inspec#30-309/78-16.
BRUNNER, E.J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/03. 1p. 94114:099.

--7811150095 Responds to 780912 NRC ltr re violations noted in Inspec Rept#30-309/78-16. Corrective actions: ops have been reminded of importance to maintain accurate, complete chronological history of plant oper events.
MOODY, D.E. Maine Yankee Atomic Power Co. 78/10/03. 2pp.
94114:100.

--7811150100 Forwards IE Inspec Rept#30-309/78-16 on 780821-23 & Notice of Violation.
BRUNNER, E.J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/12. 2pp. 94114:102.

--7811150102 Notice of Violation from Inspec on 780821-23.
* Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/12. 1p. 94114:104.

--7811150105 IE Inspec Rept#30-309/78-16 on 780821-23 during which 1 item of noncompliance was noted: failure to log details of a fuel handling problem.
LAZARUS, W.J. Region 1, Philadelphia, Office of the Director.
STAVEL, J.M., KEITH, R.R. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/07. 7pp. 94114:105.

7811290205 Forwards IE Circular #7B-18: "UL Fire Test." W/enc1 AND:
7811150002.
ORIER, B.H. Region 1, Philadelphia, Office of the Director.
78/11/06. 1p. 94237:354.

7812010090 Ack receipt of 781020 ltr informing NRC of steps taken to correct violations noted during Inspec#30-309/78-17.
BRUNNER, E.J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/17. 1p. 94416:230.

--7812010093 Responds to 780929 NRC ltr re violations noted in Inspec Rept#30-309/78-17. Corrective actions: during future requal prog quizzes will be admin & "Tygon H2O Manometer" calibr. Suggests Item C be withdrawn.
MOODY, D.E. Maine Yankee Atomic Power Co. 78/10/20. 4pp.
94416:231.

--7812010097 Forwards IE Inspec Rept#30-309/78-17 on 780903-08 & Notice of Violation.
BRUNNER, E.J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/29. 2pp. 94416:235.

--7812010099 Notice of Violation from Inspec on 780903-08.
* Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/29. 2pp. 94416:237.

--7812010103 IE Inspec Rept#30-309/78-17 on 780903-08 during which 3 items of noncompliance were noted: failure to correct condition adverse to quality, to conduct requal prog quizzes & use of manometer w/o documented calibr.
MARKOWSKI, R.S., RUHLMAN, W., KISTER, H. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/29. 21pp.
94416:239.

7812150140 Forwards IE Bulletin#7B-12A, suppl to IE Bulletin#7B-12. W/enc1 AND: 7811300035.
ORIER, B.H. Region 1, Philadelphia, Office of the Director.
78/11/24. 1p. 94212:191.

7812010214 Forwards MYAP Inspec Rept for 780129-780828, covering 1978 refueling outage, includes abstract of examinations performed w/conditions observed & corrective measures taken.
GROCE, R.H. Maine Yankee Atomic Power Co. 78/11/27. 1p. 94409:286.

--7812010216 Inservice insp rept from 780129-780828, covering 1978 refueling outage insp w/abstract of examinations performed by Nuclear Engineering Svcs & NDT Engineering Personnel.
* Maine Yankee Atomic Power Co. 78/11/27. 20pp. 94409:287.

R. Periodic operating reports & related correspondence

7810170150 Forwards Monthly Oper Rept for Sept 1978.
MOODY, D.E. Maine Yankee Atomic Power Co. 78/10/10. 1p. 94236:082.

--7810170151 Monthly Oper Rept for Sept 1978.
BJOREN, R.M. Maine Yankee Atomic Power Co. 78/10/10. 4pp.
94236:083.

7811140112 Forwards Monthly Oper Rept for Oct 1978.
MOODY, D.E. Maine Yankee Atomic Power Co. 78/11/10. 1p. 94425:149.

--7811140166 Monthly Oper Rept for Oct 1978.
BJOREN, R.M. Maine Yankee Atomic Power Co. 78/11/10. 5pp.
94425:150.

7812150355 Forwards Monthly Oper Rept for Nov 1978.
MOODY, D.E. Maine Yankee Atomic Power Co. 78/12/11. 1p. 94418:152.

--7812150357 Monthly Oper Rept for Nov 1978.
BJOREN, R.M. Maine Yankee Atomic Power Co. 78/12/11. 4pp.
94418:153.

B. Reportable occurrences, LERs & related correspondence

7811030137 Forwards LER#7B-023/03L-0.
WOOD, E.C. Maine Yankee Atomic Power Co. 78/09/29. 1p. 02723:308.

--7811030140 LER#7B-023/03L-0 on 780925: Emergency Diesel Generator D6-11 was found inoper. due to introduction of air into fuel lines.
ANDERSON, P.L. Maine Yankee Atomic Power Co. 78/09/28. 2pp.
02723:309.

7811030131 Forwards LER#7B-024/03L-0.
WOOD, E.C. Maine Yankee Atomic Power Co. 78/10/25. 1p. 02723:296.

--7811030135 LER#7B-024/03L-0 on 781017: after temporary 25% output reduction, RCS chem samples for isotopic analysis of iodine were not taken between 2 & 6 hours, due to personnel error.
ANDERSON, P.L. Maine Yankee Atomic Power Co. 78/10/25. 2pp.
02723:297.

7811220213 Forwards LER#7B-022/03L-1.
WOOD, E.C. Maine Yankee Atomic Power Co. 78/11/01. 1p. 03668:359.

--7811220217 LER#7B-022/03L-0 on 780907: rev of original LER. Further investigation revealed low RWST boron concentration was due to dilution effects of draining a loop at a lower boron concentration to the RWST plus addl sys letdown to the RWST.
ANDERSON, P.L. Maine Yankee Atomic Power Co. 78/11/01. 2pp.
03668:356.

DOCKETED ITEMS

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31220202 LER#78-025/03L-0 on 781031: channel D Safety Injection Activation Signal Sigma meter drifted to lower setpoint than permitted. Caused by instru drift.
ANDERSON, P. L. Maine Yankee Atomic Power Co 78/11/08. 2pp.
03595. 276

2200213 Forwards LER#78-027/03L-0
D.D.E.C. Maine Yankee Atomic Power Co 78/12/13. 1p. 94162.289.

312200217 LER#78-027/03L-0 on 781007: noted that a steam generator gross activity sample result had not been recorded. Caused by personnel failure to record all data.
ANDERSON, P. L. Maine Yankee Atomic Power Co 78/12/13. 1p.
94162. 290.

2200252 Forwards LER#78-028/03L-0.
D.D.E.C. Maine Yankee Atomic Power Co 78/12/13. 1p. 94206.259.

312200254 LER#78-028/03L-0 on 781206: noted that a Procedure Change Rpt had not been reviewed by the PDRG w/in 14 days of being generated. Caused by personnel oversight.
ANDERSON, P. L. Maine Yankee Atomic Power Co. 78/12/13. 1P.
94206. 260

KEY 50-311 SALEM NUCLEAR GENERATING STATION, UNIT 2

Application/construction stage documents & correspondence

2080039 Forwards proprietary & non-proprietary rept "Dynamic Analysis of the Reactor Coolant Sys for Loss of Coolant Incidents: Salem Nuc Generating Stations I & II." affidavit w/ Withholding & Appl for Withholding
ANDERSON, T. M. Westinghouse Electric Corp 78/12/01. 2pp.

312080043 "Dynamic Analysis of the Reactor Coolant Sys for LOCAs."
* Westinghouse Electric Corp. 78/12/01. 160pp.

3130233 PSEG has filed appl for special nuc matl re subj facil on behalf of PSEG, Pepco, Delmarve Power & Light & Atlantic City Elec Co. PSEG is authorized to act on behalf of other utilities.
SCHNEIDER, F. W. Public Service Electric & Gas Co. of New Jersey. 9/09/22 1p. 03554.160.

31010134 Responds to 780418 & 780508 NRC ltrs requesting addl info re appl info will be become part of FSAR in future amend to lic appl Includes reactor vessel matl properties & maxium inner wall end of liferwalls.
MITTL, R. L. Public Service Electric & Gas Co. of New Jersey. 8/10/05. 23pp. 94079.274.

31010132 Forwards Amend#44 to Lic Appl for subj facil, consisting of addl financial info as requested by 780419 NRC ltr.
MITTL, R. L. Public Service Electric & Gas Co. of New Jersey. 8/10/11. 1p.

31010133 Forwards Amend#44 to Lic Appl for subj facil, pertaining to general & financial info.
MARTIN, T. J. Public Service Electric & Gas Co. of New Jersey. 78/10/11. 2pp.

31010134 Requests addl financial info for review of subj facil lic appl by 780707.
PARR, O. D. Light Water Reactors Branch 3. 78/04/19. 8pp.

31010135 Amend#44 to Lic Appl for subj facil. Contains addl financial info.
* Public Service Electric & Gas Co. of New Jersey. 78/10/11. 1764pp.

0250002 Notice of meeting on 781018 to discuss residual heat removal as it relates to cold shutdown at subj facil.
DROMERICK, A. Light Water Reactors Branch 3. 78/10/12. 2pp.

0240149 Responds to requests for addl info which will be incorporated into FSAR as amend to appl. Discusses mgt responsible for QA org review, measures taken IAW Reg Guides, LOCA analysis, & environ qual for equip.
MITTL, R. L. Public Service Electric & Gas Co. of New Jersey. 8/10/20. 82pp.

0250069 Submits responses to remaining NRC requests for addl info dated 780327, 0418, 0502, 0508, 0518, 0907, 0921, 1006. Info is to

781080034 Summary of 781018 meeting re residual heat removal sys & its relation to cold shutdown of subj facil. Applicant will demonstrate by oper test that atmospheric steam dump valves will be used & will submit procedure documentation by 781106.
DROMERICK, A. Light Water Reactors Branch 3 78/10/23. 4pp.
94398. 099

7811270006 Discusses daily staff notes for 781023 re CEIL's intention to replace recirculation inlet nozzle safe ends, failure of Reactor Coolant Pump at PSEG facil & 15,000 gal of water leaking into containment & inventory at Nuc Fuel Svcs.
* Office of the Executive Director for Operations. 78/10/24 1p.
94272. 261

781080102 Responds to 781024-25 request for addl info on elec pur sys re reliability criteria, stability analysis expected steady-state voltage conditions, intentional disconnection of transmission during sys disturbances & reserve definitions.
MITTL, R. L. Public Service Electric & Gas Co. of New Jersey. 78/11/06. 49pp. 94399.088.

781080227 Forwards response to NRC requests for addl info re Quality Assurance Prog, which will be incorporated into facil FSAR.
MITTL, R. L. Public Service Electric & Gas Co. of New Jersey. 78/11/06. 41pp. 94405.308.

781090084 Forwards util response to NRC request for addl info re ECCS Analysis Question 5.65 & RHR Sys Question 9.61 Encl info will be incorp into Salem FSAR in amend to appl.
MITTL, R. L. Public Service Electric & Gas Co. of New Jersey. 78/11/06. 80pp. 94041.293.

7811220261 Notification of 781115 meeting in Bethesda w/PSEG to discuss QA prog for subj facil.
DROMERICK, A. Light Water Reactors Branch 3. 78/11/09. 3pp.
94378. 133

7811290288 Responds to 781106 request for info concerning licensee reg performance eval for Region 1 plants by NRC. Provides details.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/09. 9pp.

7811200152 Forwards response to request for addl info re Quality Assurance Prog. Covers overall approach & scope, PSEG corporate QA Prog, Westinghouse Pur Sys Div QA Prog, United Engr & Constructors QA Prog & Operational QA Prog.
MITTL, R. L. Public Service Electric & Gas Co. of New Jersey. 78/11/16. 90pp. 94420.133.

7811280125 Forwards Rev#1 "Draft Radiological Effluent Tech Spec for PWR's" (NUREG-0472) & "Preparation of Radiological Effluent Tech Spec for Nuc Pur Plants" (NUREG-0133). W/encl AMO:
7811270173 & 7811270180.
VASSALLO, D. B. Assistant Director for Light Water Reactors. 78/11/16. 5pp. 94013.025.

7811290354 Summary of meeting on 781115 on quality assurance prog for subj facil. Applicant will change QA prog IAW NRC recommendations.
DROMERICK, A. W. Light Water Reactors Branch 3. 78/11/17. 3pp.
94194. 288.

7811240141 Forwards responses to NRC questions. Will be incorp in Final Safety Analysis Rpt as an amend.
MITTL, R. L. Public Service Electric & Gas Co. of New Jersey. 78/11/20. 1p. 94457.007.

--7811240142 Answers NRC questions 5.62, 5.63, 5.82, 5.83, 5.84 & 5.85 re analyses of main steam lines break within containment of unisolated steam in main steam line & turbine plant.
* Public Service Electric & Gas Co. of New Jersey. 78/11/20. 44pp. 94457.008.

7811240225 Forwards Tables 3a, 3b & 3c in support of response to 780418 NRC questions 5.62 & 5.82 assoc w/subj facil. Requests that submitted info be withheld form pub disclosure pursuant to 10CFR2.790.
MITTL, R. L. Public Service Electric & Gas Co. of New Jersey. 78/11/20. 2pp. 94458.176.

7812070156 Notice of seminar on 781208 on new Model Radiological Effluent Tech Specs for nuc pur plants. Requests advance submission of seminar specific questions. W/encl Seminar Info Sheet, Proposed Agenda & maps.
ORIER, B. H. Region 1, Philadelphia, Office of the Director.

7812120095 Forwards request for addl info for review of Facil FBAR.
PARR, O. D. Light Water Reactors Branch 3. 78/11/30. 13pp.
94278: 079.

7812130367 Requests addl info re Facil initial test prog to complete
review of FBAR.
PARR, O. D. Light Water Reactors Branch 3. 78/12/05. 4pp.
94307: 107

7812130370 Requests comments by 781215 on Tech Spec. Areas incl: pur
distrib limit & curves reactor trip & EBF setpoints, Post
Accident Instru. Overpressure Protec Sys, ECCB pressures &
flows, Elec Equip test & Protec Device tables.
PARR, O. D. Light Water Reactors Branch 3. 78/12/06. 1p. 94292: 123.

7812180260 Forwards request for addl info on instru & control for
review of FBAR.
PARR, O. D. Light Water Reactors Branch 3. 78/12/06. 5pp.
94365: 322.

7812190175 Notice of 781215 meeting to discuss open items re subj
facil.
DROMERICK, A. W. Light Water Reactors Branch 3. 78/12/07. 2pp.
94340: 053.

7812200072 Forwards responses to NRC requests for addl info #1. 4B. 5. 96.
5. 110 & 14. 2B for FBAR review. Responses cover seismic
categories, safety related plant design & engr safety
features.
MITTL, R. L. Public Service Electric & Gas Co. of New Jersey.
78/12/10. 10pp. 94413: 246.

7812220143 Forwards response to request for addl info which will be
incorp into FBAR in an amend to appl. Subj incl: floor
response spectra, Class 1 elec equip & instrumentation, &
seismic qual for safety-related equip.
MITTL, R. L. Public Service Electric & Gas Co. of New Jersey.
78/12/21. 23pp. 03506: 001.

F. Security, medical, emergency & fire protection plans

7810280083 Forwards Emergency Plan & amends to Final Safety Analysis
Rept in response NRC request for addl info. The info will
be incorporated in subj facil FBAR in an amend to appl.
MITTL, R. L. Public Service Electric & Gas Co. of New Jersey.
78/10/24. 106pp. 94370: 160.

7813000022 Forwards findings of staff review of subj facil 780803
security plan. Encl#1 lists areas NRC considers unresolved,
w/hold from pub disclosure IAW 10CFR2.790. Encl#2 is Review
Guideline re plant protec from sabotage by insiders.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/16.
4pp. 94070: 337.

7812040224 Requests addl info re subj facil Security Plan. Forwards list
of Unresolved issues (withheld from disclosure) & Review
Guideline "Protec of Nuc Pur Plants Against Industrial
Sabotage by the Insider."
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/16.
1p.

--7812040225 Review Guideline#23: "Protec of Nuc Pur Plants Against
Industrial Sabotage by the Insider." Refers to security
measures that place controls on access to vital areas.
CLARK, R. A. Reactor Safeguards Licensing Branch (Pre 791030).
78/11/06. 3pp.

7812210206 Responds to 781116 request for info on security plan.
Comments incl detailed study to determine Type I & II vital
areas is unnecessary & requests response to issues raised in
KMC ltr re "insider" control procedures.
LIBRIZZI, F. R. Public Service Electric & Gas Co. of New Jersey.
78/12/14. 2pp. 94279: 096.

--7812210210 Appraises Reactor safeguards Licensing Branch Review
Guideline#23. "Protec of Nuc Pur Plants Against Industrial
Sabotage by the Insider" re compartmentalization, two-man
rules, personnel reliability.
MOEWEN, J. G. KMC, Inc. 78/11/28. 5pp. 94279: 098.

7812290027 Forwards request for addl info re facil Fire Protec Prog for
FBAR review w/encl questionnaire.
PARR, O. D. Light Water Reactors Branch 3. 78/12/15. 20pp.
94208: 020.

J. Insurance & indemnity information

7811070159 Forwards 8 certified copies of captioned endorsement for
rev of 1978 premium. Advanced premiums & standard premium
endorsement encl.
HARTLEY, T. F. Nuclear Insurance Consultants. 78/11/02. 2pp.
94044: 130.

7812040223 Forwards insurance Endorsement #24 to MAELU Policy #MF90 for
rev of 1978 premium.
HARTLEY, T. F. Nuclear Insurance Consultants. 78/11/28. 2pp.

K. Utility Final Safety Analysis Report (FSAR) & amends

7810140040 Forwards request for addl info for rev of subj facil FBAR.
PARR, O. D. Light Water Reactors Branch 3. 78/10/06. 6pp.
94389: 203.

7811030119 Forwards response to NRC request for addl info re: component
coolant water supply to reactor coolant pumps, rev response
re containment negative pressure, & rev FBAR pages re Radiat
Monitoring Sys & mod to containment struc integrity test.
MITTL, R. L. Public Service Electric & Gas Co. of New Jersey.
78/11/01. 1p. 02723: 140.

--7811030120 Questions & Answers for FBAR Amend 43 re: containment
negative pressure & component cooling sys.
* Public Service Electric & Gas Co. of New Jersey. 78/11/01.
22pp. 02723: 141.

--7811030124 Rev pages for Amend#43 to FBAR for subj facil re: Radiat
Monitoring Sys & Containment struc integrity test.
* Public Service Electric & Gas Co. of New Jersey. 78/11/01.
26pp.

P. Operating license stage documents & correspondence

7810230098 Summary of 781004 meeting re the environ qual of safety
related instrumentation & elec equip.
DROMERICK, A. W. Light Water Reactors Branch 3. 78/10/12. 3pp.

7812280045 Emphasizes importance of submitting accurate & complete info
to NRC by licensee & applicants. Info submitted must be
substantiated by data & calculations. Licensees must notify
NRC of any inaccuracies or enforcement action will result.
DAVIS, J. G. Office of Inspection & Enforcement, Office of the
Director. 78/12/06. 2pp. 94133: 220.

Q. Inspection reports, IE Bulletins & correspondence

7810280048 Forwards IE Inspec Rept#50-311/78-29 on 780822-24 during
which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear
Support Branch. 78/09/11. 2pp.

--7810280082 IE Inspec Rept#50-311/78-29 on 780822-24 during which no
items of noncompliance were noted. Major areas inspected
included: Containment leak rate testing, pipe support &
restraint sys & presvc testing.
CAPTON, D. L., HIGGINS, J. C. Region 1, Philadelphia, Reactor
Operations Nuclear Support Branch. 78/09/11. 7pp.

7810270284 Forwards IE Inspec Rept#50-311/78-28, on 780821-24 during
which no items of noncompliance were noted.
CARLSON, R. T. Region 1, Philadelphia, Reactor Construction &
Engineering Support Branch. 78/09/12. 2pp. 94028: 331.

--7810270288 IE Inspec Rept#50-311/78-28, on 780821-24 during which no
items of noncompliance were noted. Major areas inspected
included: elec cable installation, termination & documentation
diesel generator installation & records.
FINKEL, A. E., EBMETER, B. D. Region 1, Philadelphia, Reactor
Construction & Engineering Support Branch. 78/09/07. 4pp.
94028: 333.

7811080290 Forwards IE Inspec Rept#50-311/78-30 on 780828-31 during
which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear
Support Branch. 78/09/19. 2pp. 94406: 203.

--7811080292 IE Inspec Rept#50-311/78-30 on 780928-31 during which no items of noncompliance were noted. Major areas inspected incl: overall preoper test prog. & preparations for Integrated Hot Functional Test Procedure.
NICHOLAS, H. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/15. 2pp. 94406:205.

781100099 Forwards IE Inspec Rept#50-311/78-32 on 780913-15 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/26. 2pp. 94179:291.

--781100102 IE Inspec Rept#50-311/78-32 on 780913-15 during which no items of noncompliance were noted. Major areas inspected included: preoper test prog. integrated hot functional test prog & followup of previous open items.
NICHOLAS, H. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/26. 7pp. 94179:293.

781100157 Forwards IE Inspec Rept#50-311/78-34 on 780920-22 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/02. 2pp. 94047:192.

--781100164 IE Inspec Rept#50-311/78-34 on 780920-22 during which no items of noncompliance were noted. Major areas inspected incl: integrated hot functional test prog status, preoper test prog status, preoper test procedures for review, plant tour.
NICHOLAS, H. Region 1, Philadelphia, Office of the Director. 78/09/29. 1p. 94047:194.

781140037 Forwards IE Inspec Rept#50-311/78-36 on 780927-28 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/04. 2pp. 94480:309.

--781140043 IE Inspec Rept#50-311/78-36 on 780927-28 during which no items of noncompliance were noted. Major areas inspected included: integrated hot functional test prog status, followup on previously unresolved items & control room tour.
NICHOLAS, H., MCNATT, T., CAPHTON, D. L. Region 1, Philadelphia, Office of the Director. 78/10/04. 7pp. 94480:307.

781100142 Forwards IE Inspec Rept#50-311/78-33 on 780920-22 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/05. 2pp. 94047:148.

--781100148 IE Inspec Rept#50-311/78-33 on 780920-22 during which no items of noncompliance were noted. Major areas inspected included: matl storage, test & measurement equip control, conduct of QA audits & surveillances.
BECKMAN, D., NAPUDA, G., MARKOWSKI, R. Region 1, Philadelphia, Office of the Director. 78/10/05. 10pp. 94047:150.

781170295 Forwards IE Inspec Rept#50-311/78-31 on 780911-15 during which no items of noncompliance were noted.
CARLSON, R. T. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/10/06. 2pp. 02766:213.

--781170299 IE Inspec Rept#50-311/78-31 on 780911-15 during which no items of noncompliance were noted. Major areas inspected included: structural integrity, piping, & cable installation & quality verification records.
TOTH, A. D., DURR, J. P., PAOLINA, R. J. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/10/06. 14pp. 02766:215.

781300295 Forwards IE Inspec Repts#50-272/78-23, 50-311/78-27 on 780812-0916 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/10. 2pp. 94075:149.

--781300298 IE Inspec Repts#50-272/78-23, 50-311/78-27 on 780812-0916 during which no items of noncompliance were noted. Major areas inspected incl: routine inspect of oper & construc.
NORRHOLM, L. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/10. 13pp. 94075:151.

7812040383 Forwards IE Inspec Rept#50-311/78-38 on 781010-12 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/25. 2pp. 94382:279.

--7812040385 IE Inspec Rept#50-311/78-38 on 781010-12 during which no items of noncompliance were noted. Major areas inspected incl: preoper test prog implementation & integrated hot functional test prog status.
NICHOLAS, H. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/25. 7pp. 94382:281.

781130115 Ack receipt of 780928 ltr in response to 780906 & 780612 NRC ltr informing NRC of steps taken to correct deviations noted in Inspec Rept#50-272/78-18 & 50-311/78-13.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/10/30. 1p. 94076:090.

--781130119 Responds to 780906 NRC ltr re deviation noted in Inspec Rept#50-272/78-18. Util claims alleged violation was not & did not represent noncompliance w/10CFR50.59 since subtested procedures are controlled by QA Prog to comply w/FBAR
SCHNEIDER, W. F. Public Service Electric & Gas Co. of New Jersey. 78/09/29. 2pp. 94076:091.

7812010345 Forwards license performance evaluation for Region 1. No operating reactor in Region 1 considered to have either abnormal or unusual safety concern.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/01. 4pp. 00002:259.

781140271 Ack receipt of 781018 ltr informing NRC of steps taken to correct violations noted during Inspec#50-311/78-26
CARLSON, R. T. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/11/02. 1p. 94400:191.

--781140274 Responds to 780912 NRC ltr re violation noted in Inspec Rept#50-311/78-26. Corrective actions: pressure testing of welds, review of mechanical arrangement drawings & rev of procedures.
MARTIN, T. J. Public Service Electric & Gas Co. of New Jersey. 78/10/18. 3pp. 94400:192.

--781140277 Forwards IE Inspec Rept#50-311/78-26 on 780814-18 & Notice of Violation.
CARLSON, R. T. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/09/12. 2pp. 94400:193.

--781140278 Notice of Violation from Inspec on 780814-18
CARLSON, R. T. Region 1, Philadelphia, Office of the Director. 78/09/12. 1p. 94400:197.

--781140280 IE Inspec Rept#50-311/78-26 on 780814-18 during which 1 item of noncompliance was noted: failure to provide 2:1 length ratio on socket weld.
TOTH, A. D. Region 1, Philadelphia, Office of the Director.
FABANO, A. N., MCBREARY, R. A. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/09/12. 13pp. 94400:198.

781290222 Forwards IE Circular #78-18, "UL Fire Test." w/encl AND: 781150002.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/06. 1p. 94237:304.

7812270417 Forwards IE Inspec Repts#50-311/78-35 & 50-272/78-25 on 780917-1014 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/13. 2pp. 94312:308.

--7812270423 IE Inspec Repts#50-272/78-25 & 50-311/78-35 on 780917-1014 during which no items of noncompliance were noted. Major areas inspected incl: test prog controls, log & record review, emergency drill, preoper plant personnel training.
NORRHOLM, L. J., KEIMIG, R. R. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/06. 15pp. 94312:310.

7812280009 Forwards IE Inspec Rept#50-272/78-25 & #50-311/78-35 on 780917-1014 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/13. 2pp. 94130:149.

--7812280012 IE Inspec Repts#50-272/78-25 & #50-311/78-35 on 780917-1014 during which no items of noncompliance were noted. Major areas inspected incl: tours of facil, log & record review, observation of emergency drill & review of recent LERS.
NORRHOLM, L. J., KEIMIG, R. R. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/06. 15pp. 94130:151.

7812290042 Forwards IE Inspec Rept#50-311/78-37 on 781025-27 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/13. 2pp. 94189:349.

--7812290044 IE Inspec Rept#50-311/78-37 on 781025-27 during which no items of noncompliance were noted. Major areas inspected incl: overall preoper test prog, followup on unresolved items & plant tour.
NICHOLAS, H., CAPHTON, D. L. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/13. 8pp. 94189:351.

7812150042 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12
w/encl AND 7811300055.
ORISER, B. H. Region 1, Philadelphia, Office of the Director
78/11/24. 1p. 94210:225.

7812200210 Ack receipt of 781109 ltr informing NRC of steps taken to
correct violations noted during inspection 30-311/78-26
CARLSON, R. T. Region 1, Philadelphia, Reactor Construction &
Engineering Support Branch. 78/12/08. 1p. 94373:190.

--7812280215 Provides addl info re violations noted in Inspec
Rept#50-311/78-26. Corrective actions: 75 welds properly
reworked & accepted & 3 welds will be properly reworked
prior to Core Load.
MARTIN, T. J. Public Service Electric & Gas Co. of New Jersey.
78/11/09. 2pp. 94373:191

R. Periodic operating reports & related correspondence

7810100120 Forwards Wastewater Treatment Rept for Sept 1978 for sewage
treatment plant at subJ facil.
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey.
78/10/10. 2pp. 94195:296.

7810100144 Forwards Discharging Monitoring Repts for subJ facil for
Sept 1978.
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey.
78/10/10. 19pp. 94316:328

7811210323 Forwards Wastewater Treatment Rept for Oct 1978.
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey.
78/11/10. 2pp. 94485:267.

7811210343 Forwards Discharge Monitoring Repts for Oct 1978.
MIDURA, H. J. Public Service Electric & Gas Co. of New Jersey.
78/11/17. 10pp. 94484:342.

DOCKET 50-312 RANCHO BECO NUCLEAR GENERATING STATION

F. Security, medical, emergency & fire protection plans

7810200099 Submit design details for two items identified by NRC as
requiring approval & one item where util proposes mod
differing from one described in fire protection safety
evaluation in response to request for addl info.
MATTINOE, J. J. Sacramento Municipal Utility District. 78/10/17.
5pp. 94052:212.

7812010344 Forwards Amend 24 to License DPR-54, safety evaluation, &
notice of issuance & availability.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/14. 2pp.
94418:227

--7812010347 Amend 24 to License DPR-54, revising administrative controls
portion of Tech Specs in response to 780221 application.
Reflects revised facility organization structure & clarified
review requirements for security & emergency plans.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/14.
17pp. 94418:229.

--7812010350 Safety evaluation supporting Amend 24 to License DPR-54
concluding that proposed changes in plant org are admin in
nature & preserve intent of Tech Specs. Mods to Security &
Emergency Plans are also acceptable.
* Office of Nuclear Reactor Regulation, Director. 78/11/14. 4pp.
94418:240.

--7812010362 Notice of issuance & availability of Amend 24 to License
DPR-54.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/14.
2pp. 94418:232.

7812050146 Application for Amend 61 to License DPR-54, reflecting
changes to Table 3.1 of fire protection safety evaluation.
MATTINOE, J. J. Sacramento Municipal Utility District. 78/12/01.
5pp. 94298:359.

7812180159 Proposes alternate mod of Paragraphs 3.1.34(2) & 5.17.6(2)
of fire protection BER attached to Amend 19 of License
DPR-54. Would relocate transformer 250 ft east of current
location.
MATTINOE, J. J. Sacramento Municipal Utility District. 78/12/12. 1p.
94366:020.

7812270116 Approves supplemental info re Section 3 of fire protection
BER, including installation of thermal insulation on Channel
A, C & D conduits, mod of lube oil pump control circuits
associated w/HP18 & procedures for diesel generators.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/12/14. 5pp.
94161:066.

7811210261 Forwards Amend#4 to Mod Amend security plan for subJ facil.
Requests withholding from pub disclosure (ref 10CFR2.790).
w/out encl.
MATTINOE, J. J. Sacramento Municipal Utility District. 78/11/17. 1p.
94488:354.

G. Adjudicatory correspondence

7812140142 Forwards fee for approval of elimination of addl insp of
11T Orinell units per 781130 ltr. Fee paid under protest per
lawsuit filed in U.S. Court of Appeal for 9th Circuit.
MATTINOE, J. J. Sacramento Municipal Utility District. 78/12/06.
4pp. 94478:346.

P. Operating license stage documents & correspondence

7811020084 Forwards Amend#23 to Facil Oper Lic#DPR-54, changing Tech
Spec for plant surveillance times.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/01. 2pp.
94351:027.

--7811020087 Amend#23 to Facil Oper Lic#DPR-54, changing Tech Spec for
plant surveillance times.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/03.
7pp. 94351:029

--7811020093 Safety Evaluation Supporting Amend#23 to Facil of Lic
#DPR-54. Concludes that no increase or hazard will ensue.
* Operating Reactors Branch 4 (Pre 790625). 78/10/03. 3pp.
94351:036

--7811020098 Notice of issuance & availability of Amend 23 to License
DPR-54.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/03.
2pp. 94351:039.

7810100027 Presents info re proposed mod to assure high pressure
injection flow to reactor core following a small break, as
requested by NRC 780926 ltr.
MATTINOE, J. J. Sacramento Municipal Utility District. 78/10/09.
2pp. 94470:346.

7810230160 Forwards check for \$12,300 in payment for application for
Amend 60 to License DPR-54.
MATTINOE, J. J. Sacramento Municipal Utility District. 78/10/13.
2pp. 94164:258.

781070201 Notifies that util cannot obtain NRC approval, perform
calculations & purchase new equipment for installation of
second level of voltage protection by 1978 refueling outage.
Proposes mod completion by end of 1979-80 refueling outage.
MATTINOE, J. J. Sacramento Municipal Utility District. 78/10/31. 1p.
94039:083.

7811200404 Notifies that mods proposed in 780927 ltr, enhancing
capability to detect reactor coolant leakage in reactor bldg
through radiation monitor use, acceptable in concept. Mods
to be functionally acceptable, upon approval of equipment.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/04. 3pp.
94419:316.

7811200346 Responds to 780913 request to amend Tech Specs to permit
operation w/fuel loading planned for Cycle 3. Forwards
request for addl info. Reply required by 781117.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/07. 5pp.
94420:108.

7811170117 Responds to NRC 780921 rejection of design criteria for
installation of ionization detectors in areas containing
both combustibles & equipment/cables required for safe
shutdown. Requests approval of schedule to make related mods.
MATTINOE, J. J. Sacramento Municipal Utility District. 78/11/14.
2pp. 94047:146.

7811210319 Forwards addl info supporting Amend 60 to License DPR-54 in
response to 781107 request. Proposed amend changes Tech Specs
to permit operation w/fuel loading planned in Cycle 3.
MATTINOE, J. J. Sacramento Municipal Utility District. 78/11/15.
10pp. 94488:058.

009 insists subj facil ECCB is acceptable & in conformance w/
30.46, but in response to staff request util applies for
ion to 10CFR50.46 & for lic to oper at 2772 MWt for
on of Cycle 3. Will provide details of mod.

MOE, J. J. Sacramento Municipal Utility District. 78/11/22.
94013:278

02 Discusses possible dangers of LOCA in containment purging
normal plant oper. Requests either commitment to limit
ing or justification for continuing.

M.W. Operating Reactors Branch 4 (Pre 790623). 78/11/29. App.
0:062.

116 Discusses failures of Bergen-Paterson snubbers during 1978
or test program. H/54 tested, 10 failed in same mode:
1990 spring damaging seat surfaces. Engineer
insists that failures due to abusive handling.

MOE, J. J. Sacramento Municipal Utility District. 78/11/30.
94333:284.

994 Forwards addl info re mode eliminating requirement for
or action subsequent to small break per 781122 request
emption from 10CFR50.46, supplementing 781122 info
tel.

MOE, J. J. Sacramento Municipal Utility District. 78/12/04.
94109:001.

107 Notifies that fee for review of util 781130 ltr to NRC
781206 to ensure that NRC concurrence not to insp
TT-Orinell-manufactured snubbers will be issued by
Request for concurrence determined to be Category II.

MOE, J. J. Sacramento Municipal Utility District. 78/12/06. 1p.
0:337.

155 Emphasizes importance of submitting accurate & complete info
by licensee & applicants. Info submitted must be
initiated by data & calculations. Licensee must notify
any inaccuracies or enforcement action will result.
J.O. Office of Inspection & Enforcement. Office of the
Director. 78/12/06. App. 94311:310.

991 Responds to 781130 ltr re hydraulic snubber surveillance
Cause of Bergen-Paterson snubber failure due to
during installation.

M.W. Operating Reactors Branch 4 (Pre 790623). 78/12/08. App.
0:098.

159 Proposes to store seal plate in current position for one
fuel cycle, allowing evaluation of design permitting
seal plate rigidly above present location.
probability of rupture of primary cooling loop.

MOE, J. J. Sacramento Municipal Utility District. 78/12/14. 1p.
0:335.

ection reports, IE Bulletins & correspondence

921 Forwards IE Circular #78-17. (See AND: 781023022). Docket
781013).

ENGLKEN, R. H. Region 5, San Francisco. Office of the Director.
13. 1p. 94170:160.

78/10/10. Corrective actions. Containment housing
radioactive matl properly labeled & radist level of rooms
posted.

MATTINOE, J. J. Sacramento Municipal Utility District. 78/11/07.
2pp. 94260:358.

--7811270097 Ack receipt of 781107 ltr informing NRC of steps taken to
correct deviations noted in Inspec Rept #50-312/78-15.
BODW, H. E. Region 5, San Francisco. Fuel Facility & Materials
Safety Branch. 78/11/17. 1p. 94260:360.

7811270056 Forwards Inspec Rept #50-312/78-17 on 781011. Requests
notification if Any matl is proprietary.
SPENCER, Q. B. Region 5, San Francisco. Reactor Construction &
Engineering Support Branch. 78/10/24. 2pp. 94246:273.

--7811270058 IE Inspec Rept #50-312/78-17 on 781011: invsc inspec meeting
at which licensee discussed governing codes & specs,
participating organizations, nature & extent of prog for
invsc inspec during Fall 1978 fuel outage.
VORDERBRUEGGEN, NARBUT, P. P., HAYNES, R. C. Region 5, San Francisco.
Office of the Director. 78/10/24. 3pp. 94246:273.

7811210244 Forwards Summary of IE Inspec Rept #50-312/78-16 on
781016-19. Inspec Rept & Notice of Violation withheld per
10CFR2.790.

NORDERHAUD, L. R. Region 5, San Francisco. Safeguards Branch.
78/11/03. 2pp. 94488:010.

781150012 Forwards IE Circular 78-18.
ENGLKEN, R. H. Region 5, San Francisco. Office of the Director.
78/11/06. 1p. 94111:178.

7812140037 Forwards IE Inspec Rept #50-312/78-18 on 781023-25 during
which no items of noncompliance were noted.
CREWS, J. L. Region 5, San Francisco. Reactor Operations Nuclear
Support Branch. 78/11/14. 2pp. 94127:215.

--7812140039 IE Inspec Rept 50-312/78-18 on 781023-25 during which no
items of noncompliance were noted. Major areas inspected
incl: upper surveillance cleanliness, refueling preparation &
IE Bulletin/Circular followup.
JOHNSON, A. O. Region 5, San Francisco. Office of the Director.
WEBB, J. D., FAULKENBERRY, B. Region 5, San Francisco. Reactor
Operations Nuclear Support Branch. 78/11/14. 5pp. 94126:308.

7811300092 Forwards IE Bulletin #78-12A, suppl to IE Bulletin 78-12.
W/encl AND: 7811300055.
ENGLKEN, R. H. Region 5, San Francisco. Office of the Director.
78/11/24. 1p. 94073:054.

7812060202 Ack receipt of 781124 ltr informing NRC of steps taken to
correct violations noted during inspec.
NORDERHAUD, L. R. Region 5, San Francisco. Safeguards Branch.
78/12/01. 1p. 94282:147.

7812290094 Forwards IE Bulletin 78-14.
ENGLKEN, R. H. Region 5, San Francisco. Office of the Director.
78/12/19. 1p. 03669:361.

R. Periodic operating reports & related correspondence

7810110126 Monthly Oper Rept for Sept 1978.
COLOMBO, R. W. Sacramento Municipal Utility District. 78/10/03. 6pp.
94067:352.

RODRIGUEZ, R. J. Sacramento Municipal Utility District. 78/11/07.
1p. 94133:163

--7811160078 Monthly Oper Rept for Oct 1978.
CLOMBO, R. W. Sacramento Municipal Utility District. 78/10/31.
7pp. 94133:166

7812200196 Forwards Monthly Oper Rept for Nov 1978
RODRIGUEZ, R. J. Sacramento Municipal Utility District. 78/12/12.
1p. 94162:242

--7812200197 Monthly Oper Rept for Nov 1978.
CLOMBO, R. W. Sacramento Municipal Utility District. 78/11/30.
6pp. 94162:243.

B. Reportable occurrences, LERs & related correspondence

7810100050 Forwards LER 78-006/03L-0.
MATTIMOE, J. J. Sacramento Municipal Utility District. 78/07/05.
2pp. 94032:173

--7810100056 LER 78-006/03L-0 on 780611, during normal operation, increased leakage noticed, between 1.1-1.7 gallons/min. Caused by leaking pressure safety valves & block valve on electromagnetic relief valve. Valves replaced or reworked.
CLOMBO, R. W. Sacramento Municipal Utility District. 78/07/05.
1p. 94032:175

7810100073 Forwards LER#78-003/03L-1.
MATTIMOE, J. J. Sacramento Municipal Utility District. 78/07/17.
2pp. 94033:075.

--7810100077 LER#78-003/03L-1 on 780710, Maintenance on safety sys hydraulic snubber previously found to have low fluid accumulator level revealed 2 deteriorated o-rings made w polyurethane seals instead of ethylene-propylene seals.
CLOMBO, R. W. Sacramento Municipal Utility District. 78/07/10.
1p. 94033:077.

7810100016 Forwards LER 78-004/01T.
MATTIMOE, J. J. Sacramento Municipal Utility District. 78/07/20.
1p. 94033:016.

--7810100021 LER 78-004/01T-1 on 780414, small break analysis determined to be at RC pump discharge. Analysis identified & evaluated solutions. Facility has incorporated procedural changes & initiated design changes.
CLOMBO, R. W. Sacramento Municipal Utility District. 78/07/20.
1p. 94033:017.

7810100061 Forwards LER#78-008/02T-0.
MATTIMOE, J. J. Sacramento Municipal Utility District. 78/08/15.
2pp. 94033:088

--7810100069 LER 78-008/02T-0 on 780804, analysis showed atypical weld filler wire w/high silicon & low nickel contents in archive weldments. Wire mixed by supplier w/shipment of Mn-Mo-Ni filler wire. Caused by inadequate QA.
CLOMBO, R. W. Sacramento Municipal Utility District. 78/08/15.
1p. 94033:090.

7810250184 Reportable Occurrence#78-10: Tech Spec 3.14.5.2 on 780914 req inoperable fire hose stations to have addl operable hose w/in 1 hour not satisfied w/in time req.
AUBRE, R. P. Sacramento Municipal Utility District. 78/09/22. 1p.
94392:249.

7810301149 Forwards LER#78-010/01T-0.
MATTIMOE, J. J. Sacramento Municipal Utility District. 78/09/26. 1p.
02723:351.

--7810301152 LER#78-010/01T-0 on 780914, During normal oper it was found that Fire Hydrant#3 hose cabinet had not been relocated w/hydrant. Upon discovery of discrepancy hose cabinet was relocated.
CLOMBO, R. W. Sacramento Municipal Utility District. 78/09/26.
1p. 02723:352.

7810301153 Forwards LER#78-011/01T-0.
MATTIMOE, J. J. Sacramento Municipal Utility District. 78/09/27. 1p.
03337:293.

7810130131 Forwards LER 78-013/03L-0.
MATTIMOE, J. J. Sacramento Municipal Utility District. 78/10/05.
2pp. 94003:052.

--7810130135 LER 78-013/03L-0 on 780925, HPI Loop A flow transmitter FT-23807 found inoperable during surveillance procedure 200.14. Caused by broken bellows in flow transmitter. Failed bellows replaced.
CLOMBO, R. W. Sacramento Municipal Utility District. 78/10/05.
1p. 94003:054.

7810130178 Forwards LER 78-009/03L-0.
MATTIMOE, J. J. Sacramento Municipal Utility District. 78/10/05.
2pp. 94415:102.

7810170199 Forwards LER#78-012/03L-0.
MATTIMOE, J. J. Sacramento Municipal Utility District. 78/10/05.
2pp. 94053:024.

--7810170201 LER 78-012/03L-0 on 780927, header failed to discharge during routine testing of CO2 sys. Caused by defective micro switch on a solenoid which operates a pilot valve integral w/ controller of main isolation valve. FV 99809
CLOMBO, R. W. Sacramento Municipal Utility District. 78/10/05.
1p. 94236:356.

7810200104 Forwards LER#78-003/04T-0.
MATTIMOE, J. J. Sacramento Municipal Utility District. 78/10/16.
2pp. 94195:224.

--7810200106 LER 78-003/04T-0 on 780913, during steady state operation, dissolved oxygen concentration downstream of confluence of Hadselville & Clay Creek was less than minimum of 5mg/liter typical of stagnant water. Location is beyond util property.
CLOMBO, R. W. Sacramento Municipal Utility District. 78/10/16.
1p. 94195:226.

7810230277 Forwards LER 78-014/01T-0.
MATTIMOE, J. J. Sacramento Municipal Utility District. 78/10/17.
2pp. 94166:358.

--7810230285 LER 78-014/01T-0 on 781004, during oper w/B diesel generator out of svc, use of A generator temporarily lost. Reactor shutdown commenced until diesel generator oper. Shutdown stopped spray of fuel oil. Packing gland tightened.
CLOMBO, R. W. Sacramento Municipal Utility District. 78/10/17.
1p. 94166:178.

7810310087 RO-1B-16 on 781024, while B generator was out of svc for maint, voltage regulator circuit for A generator malfunction occurred & shut down A generator. Cold shutdown of reactor commenced. A generator returned to svc. Full rept to follow.
OUBRE, R. P. Sacramento Municipal Utility District. 78/10/25. 1p.
94091:165.

7811140230 Forwards LER 78-016/01T-0.
MATTIMOE, J. J. Sacramento Municipal Utility District. 78/11/06.
2pp. 94400:087.

--7811140236 LER 78-016/01T-0 on 781024, operability of A diesel generator lost due to failure of primary fuses on the voltage regulator's control power circuit. Fuses replaced. A generator tested then returned to svc.
CLOMBO, R. W. Sacramento Municipal Utility District. 78/11/06.
1p. 94400:089.

7812120147 RO on 781023, welder entered filter room to remove three inlet & outlet lines w/oxyacetylene cutting torch. During process, welder overexposed when head, arms & upper torso extended beyond protective shield to obtain better position.
MATTIMOE, J. J. Sacramento Municipal Utility District. 78/11/13.
8pp. 94276:271.

7812110170 Forwards LER 78-015/01T-0.
MATTIMOE, J. J. Sacramento Municipal Utility District. 78/12/04.
2pp. 94337:091.

--7812110173 LER 78-015/01T-0 on 781120, Failure of 9 Bergen-Patterson snubbers. Seven of 9 failures caused by abusive handling during reinstallation following 1977 testing. Other two failures isolated cases. Failed units repaired.
CLOMBO, R. W. Sacramento Municipal Utility District. 78/12/04.
2pp. 94337:093.

F. Security, medical, emergency & fire protection plans

7810200099 Discusses facility emergency plan Amends 54,55 & 56 submitted on 780426 & 0630. Annual emergency drills, communications links & fire brigade drills amended. Changes acceptable & meet NRC 771203 position
REID, R. W. Operating Reactors Branch 4 (Pre 790625) 78/10/02 2pp.
94367:351.

7811170065 Forwards copies #1, 2, 3, 4 & 5 of 781030 amend to proposed Industrial Security Plan dtd 780310, which responds to 780428 NRC ltr Requests withholding of document from public disclosure pursuant to 2.790
WILLIAMS, D. H. Arkansas Power & Light Co. 78/10/30 2pp.
94046:322.

7811090170 Forwards Amend #57 to facil Emergency Plan (rev pages for insertion into FBAR).
WILLIAMS, D. H. Arkansas Power & Light Co. 78/11/06. 19pp
94038:154

J. Insurance & indemnity information

7810230200 Forwards Endorsements #30,31,32,33,34 to Liability Policy WNF-210 & Endorsements #25,26,27,28,29,30 to Liability Policy WNF-74, as requested in 780922 NRC ltr
WILLIAMS, D. H. Arkansas Power & Light Co. 78/10/11. 13pp.
94164:087.

K. Utility Final Safety Analysis Report (FSAR) & amends

7812280125 Forwards annotated rev pages for ANO-1 FSAR re possession & use of Krypton 85 source exceeding current limits of OL, superseding previous 780816 rev pages.
WILLIAMS, D. H. Arkansas Power & Light Co. 78/12/06. 7pp.
94310:235.

P. Operating license stage documents & correspondence

7810100081 Forwards proposed changes to Tech Specs & Environ Tech Specs listing new job titles & organizational duties.
CAVANAUGH, W. Arkansas Power & Light Co. 78/09/22. 5pp. 94032:192.

7810230271 Forwards Amend 36 to License DPR-51, safety evaluation & notice of issuance & availability.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/05. 3pp.
94167:123.

--7810230273 Amend 36 to License DPR-51, changing Tech Specs to permit handling of 25 ton shielded shipping cask on one-time basis to remove & ship irradiated B4C test rods stored in facility fuel storage pool.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/05. 4pp. 94167:126.

--7810230279 Safety evaluation supporting Amend 36 to License DPR-51.
* Office of Nuclear Reactor Regulation, Director. 78/10/05. 4pp.
94167:130.

--7810230281 Notice of issuance of Amend 36 to License DPR-51.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/05. 2pp. 94167:134.

7810240001 Review of appl for Oper Lic. Documents efforts by city of Paragould, Ar. to participate w/2X interest in AP & L planned facila. w/encl supporting correspondence.
HAMILTON, D. B. Cathy, Goodwin & Hamilton. 78/10/12. 13pp.

7810240098 Supplements info in 780922 request for proposed changes to Tech Specs & Environ Tech Specs to implement proposed reorganization of plant staff. Describes functions of major positions established by reorganization.
WILLIAMS, D. H. Arkansas Power & Light Co. 78/10/17. 4pp.

7810250098 In response to 780428 NRC ltr analysis of ECCB small break was discussed in ltrs from J. H. Taylor (B&W) to S. A. Varga dtd 780718 & 780811.
WILLIAMS, D. H. Arkansas Power & Light Co. 78/10/17. 1p.

811010363 Responds to util 770617, 0705 & 1206 proposed Tech Specs 3.3 & 4.1 for reactor bldg spray sys. Changes acceptable provided sodium hydroxide concentration is 18X weight & computer simulator data verified within 21 days.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/17. 3pp.
94386:299.

7810260076 Advises that 780719 application to amend OL considered Class 4 action & remaining fee balance should be submitted
MILLER, W. O. License Fee Management Branch. 78/10/19 1p
94392:313

7811060075 Documents verbal commitment between author & O Vissing re 781024 re Sequencing Elec Loads on Start Up Transformer "Millstone Mods", still under review, are scheduled for implementation 790301 & overseas drawings available in CF.
WILLIAMS, D. H. Arkansas Power & Light Co. 78/10/25. 8pp
94423:360

7811020091 Reviews Subj Facil SER on voltage degradation at Class 1E 480-volt buses. Such degradation could jeopardize some fuses in ECCB control circuits. Licensee mod is acceptable.
LAINAS, G. Plant Systems Branch (Pre 791030) 78/10/27. 1p.
94331:066

--7811020096 SER re potentially serious degradation of off-site power. Bys Mod would change loads from being block started to being sequentially started. Concludes that mod is acceptable.
LAINAS, G. Plant Systems Branch (Pre 791030) 78/10/27 2pp
94351:067

7811030106 Supplements 781025 ltr re Sequencing Elec Loads on Start Up Transformer. Will req 5 calendar days to implement mod after NRC approval. Test of completed sys will req only simple wiring changes.
WILLIAMS, D. H. Arkansas Power & Light Co. 78/10/27. 1p 02723:313

7811030159 Forwards proposed mod to high pressure injection sys. Mod meets staff position expressed in NRC 780916 ltr because no oper action will req & it is consistent w/all assumptions of 781017 ECCB Small Breaks Analysis.
WILLIAMS, D. H. Arkansas Power & Light Co. 78/10/27 3pp.
02724:004

7811080136 Responds to NRC concerns re sequencing elec loads on start up transformer to alleviate possible undervoltage situation. Proposed mods will be implemented by 781031.
WILLIAMS, D. H. Arkansas Power & Light Co. 78/10/27. 2pp.
94399:277

7811130284 Requests registration as user of Chem-Nuc Bys #CNSI 14-1951 shipping cask.
WILLIAMS, D. H. Arkansas Power & Light Co. 78/10/27. 1p 94011:213

7811150052 Notice of mod to License DPR-51 to alleviate undervoltage condition which would be created in startup transformers which would in turn provide degraded voltage.
BTELLO, V. Division of Operating Reactors. 78/10/27. 6pp.
94112:171.

7811130190 Request review of encl description of Phase 3 installation for cooling battery charger rooms. Submittal completes followup action re RD 50-313/77-19. Forwards overseas drawings w/o drawings.
WILLIAMS, D. H. Arkansas Power & Light Co. 78/10/31. 3pp.
03533:333

7811160062 Forwards proposed changes supporting Topical Rept Tech Specs re parameter changes necessary for cycle 4 oper. Determines change to be Class 4 amend & encloses fee. Requests approval by Mar 1979.
CAVANAUGH, W. Arkansas Power & Light Co. 78/11/09. 24pp.
94132:268

--7811160064 "Cycle 4 Reload Report."
* Arkansas Power & Light Co. BAW-1504. 78/10/31. 34pp.
94132:312

7811160129 Responds to 781019 NRC ltr requesting \$8,300 to allow use of NAC-1 Cask. This figure represents the difference in fee determination between util 780817 ltr & NRC 780816 ltr. Util contests NRC determination & will not remit difference.
WILLIAMS, D. H. Arkansas Power & Light Co. 78/11/09 2pp.
94135:229.

7812010370 Forwards Amend 37 to License DPR-51, Amend 5 to License NPF-6, safety evaluation & notice of issuance & availability.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). BTOLZ, J. F. Light Water Reactors Branch 1. 78/11/13 2pp. 94409:061.

--7812010374 Amend 37 to License DPR-51, changing Tech Specs dealing administrative controls, plant organization & revising ETR to make them current w/Unit 2.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/13. 28pp. 94409:063.

--7812010377 Amend 5 to License NPF-6, changing Tech Specs dealing w/ administrative controls & plant organization
STOLZ, J. F. Light Water Reactors Branch 1. 78/11/13. 19pp
94409.091.

--7812010380 Safety evaluation supporting Amend 37 to License DPR-51 & Amend 5 to License NPF-6.
* Office of Nuclear Reactor Regulation. Director 78/11/13. 2pp.
94409.110.

--7812010381 Notice of issuance of Amend 37 to License DPR-51 & Amend 5 to License NPF-6.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/13. 2pp. 94409.112

7812150118 Notice of workshops re implementation of training & qual requirements contained in Append B of 10CFR773. Requests pre-workshop registration of attendees to facilitate sending out mail. W/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 3pp

7812190002 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PUR's (NUREG-0472) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
GRIMES, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94214.248.

781200350 Forwards order for Mod of lic which amends Facil Oper Lic #DPR-51. Implementation of ceratin mods to elec pur sys must begin by 781031. Allows oper of AND-1 until mods are complete.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/17. 2pp. 94451.001

--7812100356 "Notice of Order for Mod of Lic #DPR-51." Mod involves connection of load sequence circuitry used for loading diesel generators such that they will also sequence safety loads onto startup transformers.
STELLO, V. Division of Operating Reactors. 78/11/17. 6pp. 94451.003.

7812100045 Discusses Mountain West Research, Inc forthcoming contracted study on regional socioeconomic impacts during facility const and post-const periods. J Chalmers will brief util re study objectives & design & type of info required.
DEYOUNG, R. C. Division of Site Safety & Environmental Analysis. 78/11/20. 2pp. 94071.047.

7812040236 Forwards results of impingement monitoring at subj facil intake during Oct 78 pursuant to Environ Tech Spec 4.1.2.e.(2).
WILLIAMS, D. H. Arkansas Power & Light Co. 78/11/28. 2pp. 94328.023.

7812150084 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND:
7812080207.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/29. 6pp. 94211.318.

7812140124 Requests review & approval of alternate method of obtaining reference stress intensity factors which allow continued stud tensioning at minimum temp of 70 degrees F during upcoming refueling outage.
WILLIAMS, D. H. Arkansas Power & Light Co. 78/12/06. 3pp. 94133.325.

7812280146 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. O. Office of Inspection & Enforcement. Office of the Director. 78/12/06. 2pp. 94311.298.

7812180120 Provides requested verification by computer simulation of sys re Tech Specs change to delete sodium thiosulfate from Reactor Bldg Spray Sys. Requests expeditious review of attach drawdown test data. W/att comparison of tests.
WILLIAMS, D. H. Arkansas Power & Light Co. 78/12/13. 6pp. 94364.325.

0. Inspection reports, IE Bulletins & correspondence

7810130045 Forwards IE Inspec Repts 50-313/78-12 & 50-368/78-20 on 780710-14 & 780725-28 & notice of violation.
MADSEN, G. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/08/11. 2pp. 94001.179.

--7810130049 Notice of Violation from inspec on 780710-14.
* Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/08/11. 2pp. 94001.181

--7810130053 IE Inspec Repts#50-313/78-12 & #50-368/78-20 on 780710-14 & 25-28 during which 3 items of noncompliance were noted: no audits conducted since 770728 under SRC, no demonstration of nonsupervised circuits, unplugged rod warmer.
MADSEN, G. L., WESTERMAN, T. F., KELLY, D. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/08/10. 12pp. 94001.183.

7810140089 Forwards IE Inspec Repts#50-313/78-13 & #50-368/78-21 on 780801-04 & 780808-10 during which no items of noncompliance were noted.
MADSEN, G. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/08/22. 2pp. 94421.001.

--7810140092 IE Inspec Repts#50-313/78-13 & #50-368/78-21 on 780801-04 & 780808-10 during which no items of noncompliance were noted. Major areas inspec included: Tech Spec calibr & surveill & items re Oper Lic issuance & Constr Deficiency Repts.
WESTERMAN, T. F., BOYTER, N. C., MADSEN, G. L. Region 4, Dallas, Office of the Director. 78/08/22. 8pp. 94421.003

781210114 Forwards IE Inspec Repts#50-313/78-14 on 780814-18 & Notice of Violation.
MADSEN, G. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/09/14. 2pp. 94482.176.

--781210115 Notice of Violation from inspec on 780814-18.
* Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/09/14. 2pp. 94482.178.

--781210121 IE Inspec Repts#50-313/78-14 on 780814-18 during which 4 items of noncompliance were noted: failure to control high radiat areas, improper radioactive shipment & failure to label mats.
MURRAY, B., BROWN, G. D. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/09/13. 11pp. 94482.180.

--781210125 Responds to 780914 NRC ltr re violations noted in Inspec Repts#50-313/78-14. Corrective actions: door to high radiat area posted w/high radiat area signs. Expanded filters double checked for decontamination.
WILLIAMS, D. H. Arkansas Power & Light Co. 78/10/09. 2pp. 94482.191.

--781210128 Ack receipt of 781009 ltr informing NRC of steps taken to correct violations noted during inspec#50-313/78-14.
MADSEN, G. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/10/31. 1p. 94482.193.

781010296 Ack receipt of 780918 ltr informing NRC of steps taken to correct violations noted during IE Insp 50-313/78-10.
MADSEN, G. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/09/25. 1p. 94068.343.

--781010301 Responds to 780911 NRC ltr re violation noted in Insp Repts 50-313/78-10. Corrective actions: agrees w/definition of "annual" per NRC interpretation for annual operator requalification exams.
WILLIAMS, D. H. Arkansas Power & Light Co. 78/09/18. 1p. 94068.344.

7810140131 Forwards IE Bulletin#78-12 requiring action re reactor facil w/oper lic or constr permit. (See AND: 7810004253)
BEYFRIT, K. V. Office of Inspection & Enforcement. Office of the Director. 78/09/29. 1p. 94413.048.

781210480 Forwards IE Inspec Repts#50-313/78-15, #50-368/78-23 & Notice of Violation.
MADSEN, G. L. Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/10/04. 2pp. 03558.228.

--781210487 Notice of Violation from inspec on 780822-25, 780828-31, 780903-08.
* Region 4, Dallas, Reactor Operations Nuclear Support Branch. 78/10/04. 2pp. 03558.230.

--781210501 IE Inspec Repts#50-313/78-15 & #50-368/78-23 on 780822-0913 during which 2 items of noncompliance were noted: verification of operability of main steam isolation valves & non-functional penetration fire barrier.
WESTERMAN, T. F., JOHNSON, W. D., DICKERSON, M. W. Region 4, Dallas, Office of the Director. 78/10/03. 23pp. 03558.232.

781220117 Forwards IE Circular#78-18, "UL Fire Test." W/encl AND: 7811190002.
BEYFRIT, K. V. Region 4, Dallas, Office of the Director. 78/11/06. 1p. 94071.286.

T.K.V. Region 4, Dallas, Office of the Director. 78/10/13.
4469:173.

53 Forwards IE Inspec Repts#50-313/78-16 & #50-368/78-24 on
1022 & notice of violation.
O.L. Region 4, Dallas, Reactor Operations Nuclear Support
78/10/31. 2pp. 94215:066

0058 Notice of Violation from inspec on 780925-1022.
Region 4, Dallas, Reactor Operations Nuclear Support Branch.
07/31. 1p. 94215:068

0061 IE Inspec Repts#50-313/78-16 & #50-368/78-24 on 780925-1022
ing which 1 item of noncompliance was noted: bypasses were
properly verified upon removal.
ERMAN, T.F., SPANGLER, R.Q., MADSEN, G.L. Region 4, Dallas,
Reactor Operations Nuclear Support Branch. 78/10/31. 6pp.
5:069.

13 Ack receipt of 781024 ltr informing NRC of steps taken to
violations during inspec#50-313/78-15 &
3/78-23.
O.L. Region 4, Dallas, Reactor Operations Nuclear Support
78/11/03. 2pp. 94087:053

1327 Responds to 781004 NRC ltr re violations noted in Inspec
50-368/78-23. Corrective actions: use of sign-off steps
return HPS1 pump hand switches to normal, install "fire"
on fire doors.
WILLIAMS, D.H. Arkansas Power & Light Co. 78/10/24. 2pp.
5:054.

17 Forwards IE Inspec Rept#50-313/78-18 on 781003-06 during
ing w/ pub officials of London & Russellville, AR
ing subj Facil.
O.L. Region 4, Dallas, Reactor Operations Nuclear Support
78/11/09. 2pp. 94159:245.

7 Forwards Inspec Rept 50-313/78-20 & 50-368/78-27 on 781026
ing w/ pub officials of London & Russellville, AR
ing subj Facil.
O.L. Region 4, Dallas, Reactor Operations Nuclear Support
78/11/09. 2pp. 94159:245.

020 Inspec Rept#50-313/78-20 & #50-368/78-27 on 781026 during
NRC officials discussed w/local officials lines of
nification w/NRC, the status of subj facil, & community
rns.
ERMAN, T.F., MADSEN, G.L., WISNER, C.E. Region 4, Dallas, Reactor
Operations Nuclear Support Branch. 78/11/08. 3pp. 94159:247.

9 Forwards IE Bulletin #78-12A, suppl to IE Bulletin#78-12.
AND: 7811300055.
K.V. Region 4, Dallas, Office of the Director. 78/11/24.
371:357.

9 Ack receipt of 781121 ltr informing NRC of steps taken to
violations noted in Inspec Rept#50-313/78-17.
J.L. Region 4, Dallas, Reactor Operations Nuclear Support
78/12/07. 1p. 94307:007.

121 Responds to 781026 NRC ltr re violations noted in Inspec
50-313/78-17. Corrective actions: procedures used for
bldg purges & detailed instructions for hand
ating valves have been corrected.
WILLIAMS, D.H. Arkansas Power & Light Co. 78/11/21. 2pp.
008.

127 Forwards IE Inspec Rept#50-313/78-17 on 781002-06 & Notice
ation.
O.L. Region 4, Dallas, Reactor Operations Nuclear Support
78/10/26. 2pp. 94307:010.

32 Notice of Violation from inspec on 781002-06.
ion 4, Dallas, Office of the Director. 78/10/26. 1p.

36 IE Inspec Rept#50-313/78-17 on 781002-06 during which 1
f noncompliance was noted: gaseous effluent release
exceeded.
B., BROWN, G.D. Region 4, Dallas, Fuel Facility & Materials
Branch. 78/10/25. 7pp. 94307:013.

Ack receipt of 781122 ltr informing NRC of steps taken to
violations noted during inspec#50-313/78-16.
L. Region 4, Dallas, Reactor Operations Nuclear Support
78/12/11. 1p. 94279:115.

Repts#50-313/78-16. Corrective actions: bypass tags installed
in Jumper & Bypass Log were removed & memo issued to staff
to maintain compliance.
WILLIAMS, D.H. Arkansas Power & Light Co. 78/11/22. 1p.
94279:116.

7812210135 Forwards responses to items of Inspec Inspec Prog which were
not resolved during 781115-16 meetings. 12 related oversized
piping & instrumentation diagrams retained by Ching Chang
WILLIAMS, D.H. Arkansas Power & Light Co. 78/12/15. 31pp.
94268:283.

R. Periodic operating reports & related correspondence

7810200067 Forwards Monthly Oper Rept for Sept 1978.
WILLIAMS, D.H. Arkansas Power & Light Co. 78/10/10. 1p. 94412:176.

--7810200070 Monthly Oper Rept for Sept 1978.
SHIVELY, C.N. Arkansas Power & Light Co. 78/10/11. 8pp.
94412:177.

7810310119 Forwards fish impingement monitoring results for Sept 1978.
WILLIAMS, D.H. Arkansas Power & Light Co. 78/10/24. 2pp.
94090:017.

781030131 Forwards third quarter Natl Pollutant Discharge Elimination
Sys Rept for NPDES Permit#AR0001392.
WILLIAMS, D.H. Arkansas Power & Light Co. 78/10/31. 2pp.
02723:353.

7812120138 Forwards Monthly Oper Rept for Nov 1978.
WILLIAMS, D.H. Arkansas Power & Light Co. 78/12/07. 1p. 94276:230.

--7812120142 Monthly Oper Rept for Nov 1978.
SHIVELY, C.N. Arkansas Power & Light Co. 78/11/30. 5pp.
94276:231.

7812280127 Forwards intake impingement monitoring data for subj facil
for Nov 1978.
WILLIAMS, D.H. Arkansas Power & Light Co. 78/12/21. 20pp.
94310:264.

S. Reportable occurrences, LERs & related correspondence

7810170143 Forwards LER#78-023/01T-0 & 78-024/03L-0.
WILLIAMS, D.H. Arkansas Power & Light Co. 78/10/06. 1p. 94236:066.

--7810170146 LER#78-023/01T-0: on 780925, during surveillance test, Control
Rod Drive Line Breaker A failed to trip on first attempt.
Caused by trip mechanism mechanical arm being out of
adjustment. Arm adjustment corrected. Breaker meets specs.
SHIVELY, C.N. Arkansas Power & Light Co. 78/10/06. 4pp.
94236:067.

--7810170149 LER#78-024/03L-0: on 780916, Control Rod Drive Line Breaker A
failed to trip upon reactor trip. Cause not given. Breaker
tripped manually. Minor adjustments made to breaker. Breaker
subsequently tested successfully.
SHIVELY, C.N. Arkansas Power & Light Co. 78/10/06. 1p.
94236:071.

781060175 Forwards LER#78-025/03L-0, LER#78-026/03L-0 & LER#78-027/03L-0.
WILLIAMS, D.H. Arkansas Power & Light Co. 78/10/13. 1p. 94489:113.

--781060180 LER#78-025/03L-0: on 780917, control rod index reached
restricted zone w/worst case condition at 171 % withdrawn
at 90 % power. Caused by miscalculated boron addition to RCB.
Acceptable rod positions obtained within 2-h.
SHIVELY, C.N. Arkansas Power & Light Co. 78/10/13. 1p.
94489:114.

--781060183 LER#78-026/03L-0: on 780926, normal borated water storage
tank chemical sample showed boron concentration below Tech
Specs limit. Cause not given. Concentration raised to Tech
Specs requirements.
SHIVELY, C.N. Arkansas Power & Light Co. 78/10/13. 1p.
94489:115.

--781060189 LER#78-027/03L-0: on 780926, condensate storage tank level
dropped below min Tech Specs level. Caused by abnormally
high condensate demand due to simultaneous rinsing of
polisher & makeup plant plus makeup to hotwell.
SHIVELY, C.N. Arkansas Power & Light Co. 78/10/13. 1p.
94489:116.

1060154 Forwards LER#78-028/03L-0.
ILLIAMS, D. H. Arkansas Power & Light Co. 78/10/27. 1p. 94489:072.

811060158 LER#78-028/03L-0: on 780929, leak developed in casing drain line from discharge of Makeup Pump P36C upstream of Valve ABD-9C. Caused by crack in pipe nipple threaded into pump casing due to apparent overstraining in installation.
SHIVELY, C. N. Arkansas Power & Light Co. 78/10/27. 1p. 94489:073.

1800176 Forwards LER#78-029/03L-0.
ILLIAMS, D. H. Arkansas Power & Light Co. 78/11/06. 1p. 94252:293.

811200180 LER#78-029/03L-0: on 781017, during surveillance test, Control Rod Drive Line A breaker failed to immediately trip on trip signal. Cause not identified. Breaker replaced.
SHIVELY, C. N. Arkansas Power & Light Co. 78/11/06. 1p. 94252:294.

1170053 Summarizes 780916 event & recommends it be kept as Abnormal occurrence; during pur oper Unit 1 tripped due to failure of main steam isolation valve & shut down. Resulting electric transient started Unit 2 diesel generators, causing flooding.
ATKINS, G. Plant Systems Branch (Pre 791030). 78/11/07. 2pp. 94046:253.

2120131 Forwards Addenda A to "Reactor Bldg Containment Integrated Leak Test Rept."
ILLIAMS, D. H. Arkansas Power & Light Co. 78/11/30. 1p. 94276:160.

812120137 "Reactor Containment Bldg Integrated Leakage Rate Test Rept, Addenda A, Local Leak Rate Testing."
* Arkansas Power & Light Co. 78/10/08. 18pp. 94276:184.

2270247 Forwards LER#78-030/03L-0.
ILLIAMS, D. H. Arkansas Power & Light Co. 78/12/19. 1p. 94017:161.

812270249 LER#78-030/03L-0: on 781121, borated water storage tank boron concentration fell below Tech Specs limit. Caused by open Condensate Valve CB-3B. Valve closed increasing boron concentration.
SHIVELY, C. N. Arkansas Power & Light Co. 78/12/19. 1p. 94017:162.

NET 50-315 DONALD C. COOK NUCLEAR POWER PLANT, UNIT 1

Security, medical, emergency & fire protection plans

1170204 Reports on investigation of isolation of deluge valves to drumming room & new fuel receiving area; closing valves was necessary to prevent spurious oper of sprinkler sys during repairs to broken fire header outside bldg from 781027-31.
HALLER, D. V. Indiana & Michigan Power Co. 78/11/09. 2pp. 94048:295.

2210354 Responds to 781122 request for change in commitment re finding replacement portable air sample for emergency use. Accepts rev plan.
KEPLER, J. O. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/12/13. 2pp. 94014:351.

General correspondence

1100154 Notice of meeting on 781101 w/AEP to discuss AEP plans for nuc plant & related matters. Watt agenda.
HILVER, H. Light Water Reactors Branch 4. 78/10/30. 2pp. 94047:185.

Utility Final Safety Analysis Report (FSAR) & amends

1290247 Forwards Amend#82 to FSAR.
TILLINGHAST, J. Indiana & Michigan Power Co. 78/11/27. 4pp. 94237:203.

781270251 Amend#82 to FSAR: rev of response to FSAR Question 5, Append Q, Amend#77, & rev to FSAR sections 1.7. Rev will allow plant to combine load rejection & turbine trip startup tests & perform only load rejection test.
* Indiana & Michigan Power Co. 78/11/27. 4pp. 94237:207.

12240198 Remits addl fee for processing Amend#81 to FSAR for sub j facility pursuant to discussions w/NRC.
TILLINGHAST, J. Indiana & Michigan Power Co. 78/12/12. 2pp. 94141:330.

P. Operating license stage documents & correspondence

781010080 Describes abnormal environ occurrence of 780923 when chlorine residuals showed greater than 0.10 PPM due to increase in chlorine feed rate resulting from clutch slipping in chlorinator. Tension on clutch adjusted.
BHALLER, D. V. Indiana & Michigan Power Co. 78/10/02. 2pp. 94063:348.

7811010204 Notice of 781031 meeting w/American Elec Pur Bvc Corp to discuss proposed mod of spent fuel pool.
MLYNCZAK, M. M. Operating Reactors Branch 1 (Pre 790625). 78/10/13. 2pp. 94391:345.

7811030103 Forwards 2 copies of Startup Test Rept For Cycle 3 of sub j facil. Encl available in CF only.
TILLINGHAST, J. Indiana & Michigan Power Co. 78/10/24. 2pp. 02721:184.

7810310090 Response to ltr of 780913 from A Schwencer, presents sched for submittal of rev EECB analysis for sub j facil. Westinghouse has already performed reanalysis for Unit 2. Unit 1 will be removed from area of concern addressed in ltr.
TILLINGHAST, J. Indiana & Michigan Power Co. 78/10/23. 2pp. 94091:167.

7810310204 Requests extension in responding to 780828 ltr from Schwencer re overpressure protec Tech Specs. Needed info will not be received & in-house reviews will not be completed in time. Extension sought is to 781128.
TILLINGHAST, J. Indiana & Michigan Power Co. 78/10/25. 2pp. 94090:314.

781130164 Notifies applicant of 781128 NRC-sponsored seminar re Model Radiological Effluent Tech Specs for Nuc Pur Plants. Encl w/Seminar Info Bkulet to be completed & returned by 781117) & Proposed Agenda.
KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/07. 6pp. 03553:275.

7811280344 Forwards request for addl info re containment sump tests. Inter alia, seeks info re NPSH margin & containment sump vent design.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/07. 3pp. 94397:184.

7811270018 Forwards Amend#26 & 8 to facil Oper Lic#DPR-58 & DPR-74. Amend consists of changes to Append B Environ Tech Spec in response to 780301 appl.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/08. 3pp. 94081:058.

--7811270019 Amend#26 to Lic#DPR-58 re delcing measurements, water chemistry in plant sys, chemical discharges, thermal discharge surveillance, groundwater monitoring & termination of biota monitoring.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/08. 2pp. 94081:061.

--7811270020 Amend#8 to Lic#DPR-74 re delcing measurements, water chemistry in plant sys, chemical discharges, thermal discharge surveillance, groundwater monitoring & termination of biota monitoring.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/08. 6pp. 94081:063.

--7811270021 Environ Impact Appraisal & safety eval supporting Amend#26 & 8 to facil oper lic #DPR-74.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/08. 12pp. 94081:124.

--7811270023 Notice of issuance of amend to facil oper lic & negative declaration relating to delcing measurements, water chemistry in plant sys, chemical discharges, thermal discharge surveillance, groundwater monitoring.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/08. 3pp. 94081:142.

7811210260 Forwards "Reactor Containment Bldg Integrated Leak Rate Test" rept for sub j facil conducted 780527-29.
TILLINGHAST, J. Indiana & Michigan Power Co. 78/11/14. 2pp. 94486:052.

--7811210265 "Reactor Containment Bldg Integrated Leak Rate Test: 780527-29" Covers acceptance criteria, ILRT test results, test conduct, instr & equip containment model & leak rate calculations, ILRT test prog printout & analysis.
* Indiana & Michigan Power Co. 78/11/14. 98pp. 94486:054.

45 Notice of workshops re implementation of training & qual
sements contained in Appendix B of 10CFR73. Requests
rkshop registration of attendees to facilitate sending
11. W/encl Registration Form & List of Locations.
J.R. Assistant Director for Site & Safeguards (Pre 791030).
15. App.

78 Forwards Rev01 "Draft Radiological Effluent Tech Specs" for
ARE0-0473) & "Preparation of Radiological Effluent
Specs for Nuc Pur Plants" (NURE0-0133).
B.W. Assistant Director for Engineers & Projects (Pre
78/11/15 6pp. 94215:015.

90 Informs IMPR that NRC has contracted w/Mountain West Res
undertake a series of post-licensing studies of nuc
tions. Studies will analyze socioeconomic impacts which
d during constr & post-constr periods of each plant.
R.C. Division of Site Safety & Environmental Analysis.
0. 2pp. 94071:053.

1 Lic #DPR-58 & #DPR-74 Appl for Amend to increase spent fuel
capacity from 500 to 2,050 fuel assemblies. W/encl
tion & Safety Analysis for the Fuel Storage Capacity
on Prog. 4
O.P. Indiana & Michigan Power Co. 78/11/22. 41pp.
09.

5 Summary of 781031 meeting re spent fuel pool expansion at
13. Licensees outlined preferred lic sched & will
retract appl on 781115 & 781211. NRR lic review to be
ed by 780413.

4.M.M. Operating Reactors Branch 1 (Pre 790625). 78/11/22.
4418:311.

3 Discusses possible dangers of LOCA in containment purging
normal plant oper. Requests either commitment to limit
or justification for continuing. W/encl AND:
207.

IR.A. Operating Reactors Branch 1 (Pre 790625). 78/11/28.
1130:311.

7 Forwards results of 780328 strontium split samples. 780328
liquid waste analysis. 780907 nonacidified split
& 781019 acidified split samples.
D.V. Indiana & Michigan Power Co. 78/11/29. 7pp.
14.

7 Reports loss of documentation from 780216 Ice Basket
All final weights, data analysis & weight standard
lity are available, so it is felt that requirements
Specs are satisfied.
D.V. Indiana & Michigan Power Co. 78/11/29. 8pp.
0.

Emphasizes importance of submitting accurate & complete info
y licensees & applicants. Info submitted must be
ated by date & calculations. Licensees must notify
ny inaccuracies or enforcement action will result.
0. Office of Inspection & Enforcement, Office of the
78/12/06. 2pp. 94311:302.

Forwards rept entitled "Hydraulic Model Investigation of
g & Swirl within a Reactor Containment Recirculation
id 780930.

ABT.J. Indiana & Michigan Power Co. 78/12/20. 2pp.

B1 "Hydraulic Model Investigation of Vortexing & Swirl Within A
r Containment Recirculation Sump" rept. Tests concluded
sl sump design should be modified to reduce excessive
in suction pipes under certain blockage conditions.
ABHAN.M. Indiana & Michigan Power Co. 108-78/M178PF.
30. 67pp.

Provides preliminary info re plans for next refueling outage
Facil. Current operating cycle should end in late
early April 1979; startup of next cycle is expected
79. No Tech Spec changes foreseen.

ABT.J. Indiana & Michigan Power Co. 78/12/20. 2pp.

Forwards #12700 check for processing of spent fuel storage
expansion submittals. Will submit thermal analysis
1 & struc analysis by 780220.

ABT.J. Indiana & Michigan Power Co. 78/12/21. 2pp.

Requests changes to Appendix "A" Tech Specs of subj facil &
proposed changes w/appropriate rev pages. Also has
\$1,200 fee.
P. Indiana & Michigan Power Co. 78/12/22. 8pp.

--7812290185 Proposed revs to Appendix "A" Tech Specs of subj facil.
Contains 16 changes w/appropriate rev pages re: Fire detec
instru. flow rates for boron inject sys, spray additive sys
Tech Specs, applicability of Tech Specs & editorial changes.
* Indiana & Michigan Power Co. 78/12/22. 36pp. 94190:124.

0. Inspection reports, IE Bulletins & correspondence

7810240032 Forwards IE Inspec Repts#50-315/77-26 & #50-316/77-37 on
771114-16 & 1214-15, 20-21 during which no items of
noncompliance were noted.
HIND.J.A. Region 3, Chicago, Safeguards Branch. 78/01/19. 2pp.

--7810240035 IE Inspec Repts#50-315/77-26 & #50-316/77-37 on 771114-16 &
1214-15, 20-21 during which no items of noncompliance were
noted. Major areas inspected included: security organization,
physical barriers, access controls, detection aids.
CARLSON, D.M., MADEIRA, T.J., HIND, J.A. Region 3, Chicago, Safeguards
Branch. 78/01/18. 1p.

7810270385 Forwards IE Inspec Repts#50-315/78-25 & #50-316/78-23 on
780710, 12, 14, 17, 19-21, 24, & 26-28. 780809-10, 14, 16-18 &
Notice of Violation.
FIORELLI, Q. Region 3, Chicago, Reactor Operations Nuclear Support
Branch. 78/09/21. 2pp. 94033:296.

--7810270388 Notice of Violation from Inspec on 780710, 12, 14, 17, 19-21, 24,
26-28 & 780809-10, 14, 16-18.
* Region 3, Chicago, Reactor Operations Nuclear Support Branch.
78/09/21. 1p. 94033:298.

--7810270398 IE Inspec Repts#50-315/78-25 & #50-316/78-23 on 780710
during which 1 item of noncompliance was noted: procedure for
equip control was not implemented as required, allowing
unplanned release of partial contents of 2 gas decay tanks.
BAKER, K.R. Region 3, Chicago, Reactor Operations Nuclear Support
Branch. 78/09/20. 9pp. 94033:299.

7810300375 Forwards IE Inspec Rept #50-315/78-26 & 50-316/78-25 on
780906-07 during which no items of noncompliance were noted.
DAVIS, A.B. Region 3, Chicago, Safeguards Branch. 78/09/22. 2pp.
94199:343.

--7810300383 IE Inspec Repts #50-315/78-26, 50-316/78-25 on 780906-07
during which no items of noncompliance were noted. Major
areas inspected included: special confirmatory measurements
inspec & sample analyses.
GREER, R.J. Region 3, Chicago, Safeguards Branch. 78/09/21. App.
94199:345.

7811020111 IE Inspec Repts#50-315/78-23 & #50-316/78-21 on 780905-06
during which no items of noncompliance were noted. Major
areas inspected included: action on previously identified
items re operability of safety related snubbers.
VIN, I.T., DANIELSON, D.H. Region 3, Chicago, Office of the Director.
78/09/25. 5pp. 94331:083.

7811020106 Forwards IE Inspec Repts#50-315/78-23 & #50-316/78-21 on
780905-06 during which no items of noncompliance were noted.
HEISHMAN, R.F. Region 3, Chicago, Reactor Construction & Engineering
Support Branch. 78/09/27. 2pp. 94331:081.

7811080101 Forwards IE Inspec Repts#50-315/78-30 & #50-316/78-28 on 780914
during which no items of noncompliance were noted.
KEPPLER, J.Q. Region 3, Chicago, Office of the Director. 78/10/02.
2pp. 94399:084.

--7811080104 IE Inspec Repts#50-315/78-30 & #50-316/78-28 on 780914
during which no items of noncompliance were noted. Major
areas inspected included: subj facil operating performance.
FIORELLI, Q., KEPPLER, J.Q. Region 3, Chicago, Reactor Operations
Nuclear Support Branch. 78/09/14. 2pp. 94399:086.

7810110297 Act receipt of 780911 ltr informing NRC of steps taken to
correct violations noted in 780817 NRC ltr.
FIORELLI, Q. Region 3, Chicago, Reactor Operations Nuclear Support
Branch. 78/10/03. 1p. 03556:083.

7811090182 Forwards IE Inspec Repts#50-315/78-24 & #50-316/78-22 on
780829-0901 & Notice of Violation.
FIORELLI, Q. Region 3, Chicago, Reactor Operations Nuclear Support
Branch. 78/10/04. 2pp. 94038:208.

--7811090185 Notice of Violation from Inspec on 780829-01.
* Region 3, Chicago, Reactor Operations Nuclear Support Branch.
78/10/04. 2pp. 94038:210.

--7811090189 IE Inspec Repts#50-315/78-24 & #50-316/78-22 on 780829-0901 during which 4 items of noncompliance were noted: failure to process off site safety review comm minutes & failure to implement acceptable insv pump test prog.
REYEB, L. A., HASSE, R. E., JABLONSKI, F. J. Region 3, Chicago, Office of the Director. 78/10/04. 8pp. 94038:212

7811140185 Forwards IE Inspec Repts#50-315/78-28 & #50-316/78-28 on 780912-15 during which no items of noncompliance were noted. Major areas inspected included: radioactive waste sys, effluent releases, records & repts of effluents.
DAVIS, A. B. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/10/11. 2pp. 94384:263

--7811140189 IE Inspec Repts#50-315/78-28 & #50-316/78-28 on 780912-15 during which no items of noncompliance were noted. Major areas inspected included: radioactive waste sys, effluent releases, records & repts of effluents.
SCHUMACHER, M. C. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/10/10. 7pp. 94384:263

7810230036 Forwards IE Circular#78-17. (See ANO: 7810230221 Docket 50-133, 781013)
KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/10/13. 1p. 94147:001.

7811020160 Forwards replacement cover page for Insp Repts 50-315/78-30 & #50-316/78-28 on which signatures had been inadvertently omitted.
KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/10/13. 2pp. 94354:343

7811080138 Responds to 780921 NRC ltr re violation noted in Inspec Repts#50-315/78-29 & #50-316/78-23 Corrective action: the mod indicated in 780822 ltr will be completed by 781031.
DOLAN, J. E. American Electric Power Co., Inc. 78/10/16. 2pp. 94399:283.

7812040388 Forwards IE Inspec Repts#50-315/78-29 & #50-316/78-27 on 780925-29 & Notice of Violation. Notice of Violation w/held per 10CFR2.790(d).
HIND, J. A. Region 3, Chicago, Safeguards Branch. 78/10/29. 2pp. 94382:344.

--7812040391 IE Inspec Repts#50-315/78-29 & #50-316/78-27 on 780925-29 during which 4 items of noncompliance were noted: security organization, communications control, detection aids & testing & maintenance.
CREED, J. R., MADEDA, T. J., HIND, J. A. Region 3, Chicago, Safeguards Branch. 78/10/20. 2pp. 94382:344.

7811210446 Responds to 781004 NRC ltr re violations noted in Inspec Repts#50-315/78-24 & #50-316/78-22 Corrective actions: procedures rev to include requirements of Tech Spec 4.0.5 & 4.0.2, f. 1, new procedure 12THP 4030, BTP, 022 established.
DOLAN, J. E. American Electric Power Co., Inc. 78/10/27. 4pp. 94480:198.

7811300661 Forwards IE Circular 78-18.
KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/06. 1p. 94112:232.

7811200045 Ack receipt of 781016 ltr informing NRC of steps taken to correct violations noted during inspec.
FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/09. 1p. 94215:327.

7812130035 Forwards IE Inspec Repts#50-315/78-27 & #50-316/78-31 on 780828-31, 780901, 11-15, 18, 20-22, 25-29, 1002 & 1004-06 & Notice of Violation.
KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/09. 2pp. 94307:215.

--7812130037 Notice of Violation from inspec on 780828-31, 0901, 0911-15, 0918, 09210-22, 0925-29, 1002 & 1004-06.
* Region 3, Chicago, Office of the Director. 78/11/09. 2pp. 94307:217.

--7812130045 IE Inspec Repts#50-315/78-27 & #50-316/78-31 on 780828-31 during which 2 items of noncompliance were noted: Unit 2 RMBT piping for low temp alarm was blocked w/o approval & condition repts not promptly initiated for RO's.
BAKER, M. R., HASSE, R. E., WARNICK, R. P. Region 3, Chicago, Office of the Director. 78/11/09. 13pp. 94307:218.

7812130206 Forwards IE Inspec Repts#50-315/78-31 & #50-316/78-29 on 781010 during which no items of noncompliance were noted.
HEISMAN, R. F. Region 3, Chicago, Office of the Director. 78/11/09. 2pp. 94306:066.

--7812130209 IE Inspec Repts#50-315/78-31 & #50-316/78-29 on 781010 during which no items of noncompliance were noted. Major areas inspected incl: licensee action on IE Circular#78-08.
LABLONSKI, F. J. Region 3, Chicago, Office of the Director. 78/11/09. 3pp. 94306:068.

7812050311 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
W/encl ANO: 7811300055
KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/28. 1p. 94203:073.

7812050260 Forwards IE Bulletin#78-12a, suppl to IE Bulletin 78-12.
W/encl ANO: 7811300055.
PAPPAS, H. Region 3, Chicago, Office of the Director. 78/11/27. 2pp. 94202:142.

7812280047 Forwards IE Bulletin 78-14.
KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/12/19. 1p. 94084:323.

R. Periodic operating reports & related correspondence

7811210383 Forwards Monthly Oper Rept for Oct 1978.
BHALLER, D. V. Indiana & Michigan Power Co. 78/11/14. 1p. 94484:291.

--7811210391 Monthly Oper Rept for Oct 1978.
GILLET, W. T. Indiana & Michigan Power Co. 78/11/01. 8pp. 94484:292.

7812110137 Forwards monthly repts for July, Aug & Sept 1978 re fish impingement at subj facil.
BHALLER, D. V. Indiana & Michigan Power Co. 78/12/05. 16pp. 94393:242.

7812200173 Forwards Monthly Oper Rept for Nov 1978.
BHALLER, D. V. Indiana & Michigan Power Co. 78/12/14. 1p. 94188:325.

--7812200174 Monthly Oper Rept for Nov 1978.
GILLET, W. T. Indiana & Michigan Power Co. 78/12/04. 6pp. 94188:326.

B. Reportable occurrences, LERs & related correspondence

7810180106 Forwards LER#78-051/03L-0 & LER#78-052/03L-0.
BHALLER, D. V. Indiana & Michigan Power Co. 78/09/27. 1p. 94421:301.

--7810180109 LER#78-051/03L-0 on 780828: axial flux difference went outside target band during rapid load reduction. Caused by repairs to valves resulting in loss of steam to condenser air ejectors.
RANDOLPH, J. M. Indiana & Michigan Power Co. 78/09/27. 1p.

--7810180158 LER#78-052/03L-0 on 780828: Steam generator loop level found to have exceeded minimum set point limit. Caused by bad solder joint on resistor, causing input resistance to vary. Solder joint reformed.
BEILMAN, T. P. Indiana & Michigan Power Co. 78/09/27. 1p. 94421:303.

7810100024 Describes abnormal environ occurrence of 780923, when chlorine residuals taken of condenser outlet showed greater than 0.10PPM, due to slip of clutch on feed rate control motor. Clutch tension has been adjusted.
BHALLER, D. V. Indiana & Michigan Power Co. 78/10/02. 2pp. 94033:044.

7810110154 Forwards LER#78-053/03L-0 & LER#78-054/03L-0.
BHALLER, D. V. Indiana & Michigan Power Co. 78/10/03. 1p. 94413:338.

--7810110192 LER#78-053/03L-0 on 780907: containment atmosphere gessout particulate monitoring pump discovered inoperable. Failure attributed to obsolescence. Pump replaced w/improved model w/ longer operational expectancy.
BEILMAN, T. P. Indiana & Michigan Power Co. 78/10/03. 1p. 94413:339.

--7810250117 LER#78-054/03L-0 on 780906: during routine surveillance, 100 condenser inlet door monitoring sys was inoperable, due to short caused by water in instr having same breakers as inlet door monitoring sys.
BEILMAN, T. P. Indiana & Michigan Power Co. 78/10/03. 3pp. 94058:019.

File LER#78-033/03L-0.
Indiana & Michigan Power Co. 78/10/18. 1p.

*78-055/03L-0 on 780924: source range channel N-31 became
 11% withdrawing shutdown banks of control rods.
 Caused erratic indication of channel.
 Indiana & Michigan Power Co. 78/10/18 1p.

Indiana & Michigan Power Co. 7B/10/20. 1p.

478-034/03L on 780923: after shutdown boron concentration
which is below limit due to reduction of boron
sampling at 1% accumulator vol increase. Admin
rev to req level & boron verification.
Indiana & Michigan Power Co. 78/10/20. 1p.

Ref: LER #78-056/031-0
Indiana & Michigan Power Co. 78/10/20 1p.

1030, it became necessary to isolate deluge valves to Room & New Fuel Receiving Area as result of Sys headers. Follow up rept will be issued

Indiana & Michigan Power Co. 78/10/30. 1p.

Indiana & Michigan Power Co. 7B/11/10. ip.

3-057/03L-0 on 781002: result of study declared pump
 bad by inconsistency of pump's ability to
 hold speed, which was traced to pump speed
 not replaced.
 Indiana & Michigan Power Co. 78/11/01. ip.

*7B-05B/03L-0 on 7B1003: rounding off of T(2) resulted in
 57% being non-conservative in top of the core.
 To perform stairstep comparison to FZ limit in
 57% core height.
 Indiana & Michigan Power Co. 7B/11/01. 2pp.

7B-059/03L-0 on 7B1023: Pressurizer level channel 3
 higher than 4% from other 2 channels. Caused by gas
 and in sensing line.
 Indiana & Michigan Power Co. 7B/11/01. ip.

rence rpt re Meteorological Sys inoperability. On
& 100 ft wind direction instrs were improperly
ed by leaving jumpers in during installation
logical Sys Translators.
Indiana & Michigan Power Co. 78/11/03. 2pg.

re condition repts on 780830 & 780928.
Indiana & Michigan Power Co. 78/11/03. 7pp.

Addition report on 780830 both Meteorological Bys Translators
 due to switching malfunction, calibr & returned
 0928, both wind direction instruc were observed
 early switching. Bys were fully recalibr.
 Indiana & Michigan Power Co. 78/10/02. 5pp.

Indians & Michigan Power Co. 78/11/15. 1p.

78-060/03L-0 on 781028: RCS leak discovered due to
 working on a 314 valve in PZR safety valve loop
 line. Valve found to be 1/8 turn open. Valve
 leakage stopped.
 Indiana & Michigan Power Co. 78/11/15. in.

Indiana & Michigan Power Co. 78/12/01. 1p.

--7812080007 LER#78-06103L-0 on 780823:discovered that during past surveillance testing,allowable surveillance extension had been exceeded for target flux difference surveillance test. Caused by personnel error.
BEILMAN,T.P Indiana & Michigan Power Co. 78/12/01. 1p
94104.324

7812120162 Forwards LER 78-062/03L-0.
SHALLER, D. V. Indiana & Michigan Power Co 78/12/07. 1p
94276:353.

--7812120167 LER 78-062/03L-O on 781107. Unit 1 A8 diesel declared inoperable following inadvertent removal of circuit board card from diesel voltage regulator circuitry. Removal caused by technician snagging the board on clothing.
BEILMAN, T. P Indiana & Michigan Power Co. 78/12/07. 1p.
94276: 354.

7B12270220 Forwards LERN7B-063/03L-0.
SHALLER, D. V. Indiana & Michigan Power Co. 7B/12/20. 1p.
94017:122.

--7812270226 LERW78-063/03L-0 on 781128: aux feed throttle from MDAFF to #38/0 position indication was intermittent valve would not close electrically. Caused by broken lead between terminal #43 & #57 on aux switch of limiterque 8MB-0-23 operator. WINNER, D. O. Indiana & Michigan Power Co. 78/12/20. lp. 94017: 123.

DOCKET 50-316 DONALD C. COOK NUCLEAR POWER PLANT, UNIT 2

F. Security, medical, emergency & fire protection plans

7B11170204 Reports on investigation of isolation of deluge valves to
drumming room & new fuel receiving area: closing valves was
necessary to prevent spurious oper of sprinkler valves during
repairs to broken fire header outside bldg from 7B1027-31.
SHALLER, D. V. Indiana & Michigan Power Co. 7B/11/09. 2pp.
94048: 293.

7811290136 Forwards Special Rept BI-01: "Safety Injection Actuation" dtd
780301 & Special Rept BI-02: "Safety Injection Actuation" dtd
780804.
BHALLER, D. V. Indiana & Michigan Power Co. 78/11/07. 5pp.
94238:137.

7812210394 Responds to 781222 request for change in commitment re
finding replacement portable air sample for emergency use.
Accepts rev plan.
KEPLER, J. Q. Region 3, Chicago, Fuel Facility & Materials Safety
Branch. 78/12/13. Rep. 94014:331.

H. General correspondence

781100154 Notice of meeting on 781101 w/AEP to discuss AEP plans for
nuc plant w related matters. W/att agenda.
SILVER, H. Light Water Reactors Branch 4. 78/10/30. 2pp.
94047:185.

K. Utility Final Safety Analysis Report (FSAR) & amends

7811290247 Forwards Amend#82 to FBAR.
TILLINGHAST, J. Indiana & Michigan Power Co. 78/11/27. 4pp.
94237: 803.

--7811290201 Amend#82 to F8AR: rev of response to F8AR Question 5. Append G. Amend#77, & rev to F8AR sections 1.7. Rev will allow plant to combine load rejection & turbine trip startup tests & perform only load rejection test.
* Indiana & Michigan Power Co. 78/11/27. App. 94237:207.

7812260198 Remits addl fee for processing Amend#81 to FEAR for sub,
facils. HURST to discussions w/NRC.
TILLINGHAST, J. Indiana & Michigan Power Co. 78/12/12. 2pp.
94141:330.

P. Operating license stage documents & correspondence

7811280344 Forwards request for addl info re containment sump tests.
Inter alia, seeks info re NPBH margin & containment sump vent
design.
SCHWENGER, A. Operating Reactors Branch 1 (Pre 790628) 78/11/07.
3pp. 94397.184.

7812010365 Summary of 781031 meeting re spent fuel pool expansion at subj facil. Licenses outlined preferred lic sched & will submit recap appl on 781115 & 781211 NRR lic review to be completed by 780413.
MLVNCZAK, H. M. Operating Reactors Branch 1 (Pre 790625). 78/11/22 App. 94418 311.

7812190038 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pwr Plants" (NUREG-0133).
ORRIS, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15 App. 94215 015.

7810120062 Forwards Startup Test Rpt for subj facil Lic WDPR-74 on 780919.
DOLAN, T. E. American Electric Power Co., Inc. 78/10/02. 2pp. 94403:033.

--7810120067 Startup Test Rpt for subj facil describing startup/testing activities: initial core loading, initial criticality, low pwr physics testing & pwr ascension testing completed thru 780801.
BHMARELLA, E. A. American Electric Power Co., Inc. 78/09/19. 294pp. 94403:033.

7811010204 Notice of 781031 meeting w/American Elec Pur Svc Corp to discuss proposed mod of spent fuel pool.
MLVNCZAK, H. M. Operating Reactors Branch 1 (Pre 790625). 78/10/13. 2pp. 94391:345.

7810230242 Notification that rept entitled "Qual Test of Barton Pressure & Differential Pressure Transmitters" in both proprietary & nonproprietary versions is being forwarded under separate cover.
TILLINGHAST, J. Indiana & Michigan Power Co. 78/10/05. 2pp. 94194:323.

7810300006 Ack receipt of 780929 ltr in response to 780816 NRC ltr. Believes corrective actions re diesel generator problems are adequate.
MOBLEY, N. C. Division of Reactor Operations Inspections. 78/10/20. 1p. 94034:221.

7810310090 Response to ltr of 780913 from A Schwencer, presents sched for submit of rev EECB analysis for subj facil. Meetinghouse has already performed reanalysis for Unit 2. Unit 1 will be removed from area of concern addressed in ltr.
TILLINGHAST, J. Indiana & Michigan Power Co. 78/10/25. 2pp. 94091:167.

7810310204 Requests extension in responding to 780828 ltr from Schwencer re overpressure protec Tech Specs. Needed info will not be received & in-house reviews will not be completed in time. Extension sought is to 781128.
TILLINGHAST, J. Indiana & Michigan Power Co. 78/10/25. 2pp. 94090:314.

781120164 Notifies applicant of 781128 NRC-sponsored seminar re Model Radiological Effluent Tech Specs for Nuc Pwr Plants. Encl w/seminar info sheet to be completed & returned by 781117 & Proposed Agenda.
KEPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/07. 6pp. 03553:275.

7811270018 Forwards Amend#26 & B to facil Oper Lic#DPR-58 & DPR-74. Amend consists of changes to Append B Environ Tech Spec in response to 780301 appl.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/08. 3pp. 94081:058.

--7811270019 Amend#26 to Lic#DPR-58 re delcing measurements, water chemistry in plant sys, chemical discharges, thermal discharge surveillance, groundwater monitoring & termination of biota monitoring.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/08. 2pp. 94081:061.

--7811270020 Amend#B to Lic#DPR-74 re delcing measurements, water chemistry in plant sys, chemical discharges, thermal discharge surveillance, groundwater monitoring & termination of biota monitoring.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/08. 60pp. 94081:063.

--7811270021 Environ Impact Appraisal & safety eval supporting Amend#26 & B to facil oper lic #DPR-74.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/08. 12pp. 94081:124.

--7811270023 Informs IMPR that NRC has contracted w/Mountain West Res Inc to undertake a series of post-licensing studies of nuc pwr stations. Studies will analyze socioeconomic impacts which occurred during constr & post-constr periods of each plant.
DEVOUNO, R. C. Division of Site Safety & Environmental Analysis. 78/11/20. 2pp. 94071:093.

7811270171 Lic WDPR-58 & WDPR-74 Appl for Amend to increase spent fuel storage capacity from 500 to 2 050 fuel assemblies. W/encl "Description & Safety Analysis for the Fuel Storage Capacity Expansion Prog".
MALONEY, Q. P. Indiana & Michigan Power Co. 78/11/22. 41pp. 94199:109.

7812180113 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND.
7812080207.
SCHWENCER, A. Operating Reactors Branch 1 (Pre 790625). 78/11/28. 6pp. 94130:311.

7812070216 Forwards results of 780328 strontium split samples, 780328 Cs-134 liquid waste analysis, 780907 nonacidified split samples & 781019 acidified split samples.
SHALLER, D. V. Indiana & Michigan Power Co. 78/11/29. 7pp. 03553:094.

7812280149 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVID, J. O. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94311:302.

7812280145 Ack 781210 rept to KR Baker re R-11 & R-12 Air Particulate Detector & Gasout Stack Monitor that were out of Svc in conjunction w/Containment Dow Point Recorders. A Followup rept will be submitted by 781231.
SHALLER, D. V. Indiana & Michigan Power Co. 78/12/18. 1p. 94310:358.

7812270170 Forwards rept entitled "Hydraulic Model Investigation of Vortexing & Swirl within a Reactor Containment Recirculation Sump." dtd 780930.
TILLINGHAST, J. Indiana & Michigan Power Co. 78/12/20. 2pp.

--7812270181 "Hydraulic Model Investigation of Vortexing & Swirl Within a Reactor Containment Recirculation Sump" rept. Tests concluded original sump design should be modified to reduce excessive swirl in suction pipes under certain blockage conditions.
PADMANABHAN, M. Indiana & Michigan Power Co. 108-78/1178FF. 78/09/30. 67pp.

7812280242 Forwards #12700 check for processing of spent fuel storage capacity expansion submittals. Will submit thermal analysis by 790103 & struc analysis by 780220.
TILLINGHAST, J. Indiana & Michigan Power Co. 78/12/21. 2pp. 94139:346.

G. Inspection reports, IE Bulletins & correspondence

7811090182 Forwards IE Inspec Repts#50-315/78-24 & #50-316/78-22 on 780829-0901 & Notice of Violation.
FIDONELLI, Q. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/04. 2pp. 94038:208.

--7811090185 Notice of Violation from Inspec on 780829-01.
* Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/04. 2pp. 94038:210.

--7811090189 IE Inspec Repts#50-315/78-24 & #50-316/78-22 on 780829-0901 during which 4 items of noncompliance were noted: failure to process off site safety review comm minutes & failure to implement acceptable insvc pump test prog.
REYES, L. A., MABBE, R. E., JABLONSKI, F. J. Region 3, Chicago, Office of the Director. 78/10/04. 8pp. 94038:212.

7810240032 Forwards IE Inspec Repts#50-315/77-26 & #50-316/77-37 on 771114-16 & 1214-15, 20-21 during which no items of noncompliance were noted.
HIND, J. A. Region 3, Chicago, Safeguards Branch. 78/01/19. 8pp.

DOCKETED ITEMS

--7810040035 IE Inspec Repts#50-315/77-26 & #50-316/77-37 on 771114-16 & 1214-15, 20-21 during which no items of noncompliance were noted. Major areas inspected included: security organization, physical barriers, access controls, detection aids.
CARLSON, D. H., MADEDA, T. J., HIND, J. A. Region 3, Chicago, Safeguards Branch. 78/01/18. 1p.

7810270385 Forwards IE Inspec Repts#50-315/78-25 & #50-316/78-23 on 780710, 12, 14, 17, 19-21, 24, & 26-28, 780809-10, 14, 16-18 & Notice of Violation.
FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/09/21. 2pp. 94033:296.

--7810070398 IE Inspec Repts#50-315/78-25 & #50-316/78-23 on 780710 during which 1 item of noncompliance was noted: procedure for squig control was not implemented as required, allowing unplanned release of partial contents of 2 gas decay tanks.
BAKER, K. R. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/09/20. 9pp. 94033:299.

7810300375 Forwards IE Inspec Rept #50-315/78-26 & 50-316/78-25 on 780906-07 during which no items of noncompliance were noted.
DAVIS, A. B. Region 3, Chicago, Safeguards Branch. 78/09/22. 2pp. 94199:343.

--7810300383 IE Inspec Repts #50-315/78-26, 50-316/78-25 on 780906-07 during which no items of noncompliance were noted. Major areas inspected included: special confirmatory measurements, inspec & sample analyses.
GREER, R. J. Region 3, Chicago, Safeguards Branch. 78/09/21. 4pp. 94199:345.

7811020111 IE Inspec Repts#50-315/78-23 & #50-316/78-21 on 780903-06 during which no items of noncompliance were noted. Major areas inspected included: action on previously identified items re operability of safety related snubbers.
VIN, I. T., DANIELSON, D. H. Region 3, Chicago, Office of the Director. 78/09/25. 3pp. 94331:083.

7810310335 Forwards IE Inspec Rept#50-316/78-24 on 780824-25 during which no items of noncompliance were noted.
FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/09/26. 2pp. 94089:109.

--7810310340 IE Inspec Rept#50-316/78-24 on 780824-25 during which no items of noncompliance were noted. Major areas inspected included: preoper test involving initial rise to 70% & 100% pwr.
KOTLER, J. E. Region 3, Chicago, Office of the Director. 78/09/26. 4pp. 94089:111.

7811020106 Forwards IE Inspec Repts#50-315/78-23 & #50-316/78-21 on 780903-06 during which no items of noncompliance were noted.
HEIDEMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/09/27. 2pp. 94331:081.

7811080101 Forwards IE Inspec Repts#50-315/78-30 & #50-316/78-28 on 780914 during which no items of noncompliance were noted.
KEPPLER, J. G. Region 3, Chicago, Office of the Director. 78/10/02. 2pp. 94399:084.

--7811080104 IE Inspec Repts#50-315/78-30 & #50-316/78-28 on 780914 during which no items of noncompliance were noted. Major areas inspected included: subj facil operating performance.
FIORELLI, G., KEPPLER, J. G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/09/14. 2pp. 94399:086.

7811010297 Ack receipt of 780911 ltr informing NRC of steps taken to correct violations noted in 780817 NRC ltr.
FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/03. 1p. 03556:083.

7811140185 Forwards IE Inspec Repts#50-315/78-28 & #50-316/78-28 on 780912-15 during which no items of noncompliance were noted.
DAVIS, A. B. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/10/11. 2pp. 94384:263.

--7811140189 IE Inspec Repts#50-315/78-28 & 50-316/78-28 on 780912-15 during which no items of noncompliance were noted. Major areas inspected included: radioactive waste sys; effluent releases, records & repts of effluents.
SCHUMACHER, M. C. Region 3, Chicago, Fuel Facility & Materials Safety Branch. 78/10/10. 7pp. 94384:265.

7810230356 Forwards IE Circular#78-17. (See AND: 7810230221 Docket 50-133, 781013)
KEPPLER, J. G. Region 3, Chicago, Office of the Director. 78/10/13. 1p. 94167:001.

7811020160 Forwards replacement cover page for Insp Repts 50-315/78-30 & 50-316/78-28, on which signatures had been inadvertently omitted.
KEPPLER, J. G. Region 3, Chicago, Office of the Director. 78/10/13. 2pp. 94354:343.

7811080138 Responds to 780921 NRC ltr re violation noted in Inspec Repts#50-315/78-25 & 50-316/78-23. Corrective action the mnd indicated in 780822 ltr will be completed by 781031.
DOLAN, J. E. American Electric Power Co., Inc. 78/10/16. 2pp. 94399:283.

7812060388 Forwards IE Inspec Rept#50-315/78-29 & #50-316/78-27 on 780923-29 & Notice of Violation. Notice of Violation w/held per 10CFR2 79(d).
HIND, J. A. Region 3, Chicago, Safeguards Branch. 78/10/29. 2pp. 94382:344.

--7812060391 IE Inspec Repts#50-315/78-29 & #50-316/78-27 on 780923-29 during which 4 items of noncompliance were noted: security organization, communications control, detection aids & testing & maintenance.
CREED, J. R., MADEDA, T. J., HIND, J. A. Region 3, Chicago, Safeguards Branch. 78/10/20. 2pp. 94382:346.

781210446 Responds to 781004 NRC ltr re violations noted in Inspec Repts#50-315/78-24 & #50-316/78-22. Corrective actions: procedures rev to include requirements of Tech Spec 4.0.5 & 4.5.2 f.i. new procedure 12THP 4030, STP 022 established.
DOLAN, J. E. American Electric Power Co., Inc. 78/10/27. 4pp. 94480:198.

7811150046 Forwards IE Circular 78-18.
KEPPLER, J. G. Region 3, Chicago, Office of the Director. 78/11/06. 1p. 94112:232.

781200045 Ack receipt of 781016 ltr informing NRC of steps taken to correct violations noted during inspec.
FIORELLI, G. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/09. 1p. 94215:327.

7812130035 Forwards IE Inspec Repts#50-315/78-27 & #50-316/78-31 on 780828-31, 780901, 11-15, 18, 20-22, 25-29, 1002 & 1004-06 & Notice of Violation.
KEPPLER, J. G. Region 3, Chicago, Office of the Director. 78/11/09. 2pp. 94307:215.

--7812130037 Notice of Violation from inspec on 780828-31, 0901, 0911-15, 0918, 09210-22, 0925-29, 1002 & 1004-06.
* Region 3, Chicago, Office of the Director. 78/11/09. 2pp. 94307:217.

--7812130045 IE Inspec Repts#50-315/78-27 & #50-316/78-31 on 780828-31 during which 2 items of noncompliance were noted: Unit 2 RWT piping for low temp alarm was blocked w/o approval & condition repts not promptly initiated for RO's.
BAKER, K. R., MASSE, R. E., WARNICK, R. F. Region 3, Chicago, Office of the Director. 78/11/09. 13pp. 94307:218.

7812130206 Forwards IE Inspec Rept#50-315/78-31 & #50-316/78-29 on 781010 during which no items of noncompliance were noted.
HEIDEMAN, R. F. Region 3, Chicago, Office of the Director. 78/11/09. 2pp. 94306:066.

--7812130209 IE Inspec Rept#50-315/78-31 & #50-316/78-29 on 781010 during which no items of noncompliance were noted. Major areas inspected incl: licensee action on IE Circular#78-08.
LABLONSKI, F. J. Region 3, Chicago, Office of the Director. 78/11/09. 3pp. 94306:068.

7812050311 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
W/encl AND: 7811300055.
KEPPLER, J. G. Region 3, Chicago, Office of the Director. 78/11/24. 1p. 94203:073.

7812050260 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
W/encl AND: 7811300055.
PAPPAS, H. Region 3, Chicago, Office of the Director. 78/11/27. 2pp. 94202:142.

7812280047 Forwards IE Bulletin 78-14.
KEPPLER, J. G. Region 3, Chicago, Office of the Director. 78/12/19. 1p. 94084:323.

R. Periodic operating reports & related correspondence

7812110137 Forwards monthly repts for July, Aug & Sept 1978 re fish

7810200033 Forwards Monthly Oper Rept for Sept 1978.
SHALLER, D. V. Indiana & Michigan Power Co. 78/10/10. 1p.
94412:214.

--7810200036 Monthly Oper Rept for Sept 1978.
GILLET, W. T. Indiana & Michigan Power Co. 78/10/03. 10pp.
94412:215

7811210437 Forwards Monthly Oper Rept for Oct 1978.
SHALLER, D. V. Indiana & Michigan Power Co. 78/11/14. 1p.
94482:194.

--7811210438 Monthly Oper Rept for Oct 1978
GILLET, W. T. Indiana & Michigan Power Co. 78/11/01. 8pp.
94482:195.

7812200203 Forwards Monthly Oper Rept for Nov 1978.
SHALLER, D. V. Indiana & Michigan Power Co. 78/12/14. 1p.
94162:261.

--7812200205 Monthly Oper Rept for Nov 1978.
GILLET, W. T. Indiana & Michigan Power Co. 78/12/04. 12pp.
94162:262.

B. Reportable occurrences, LERs & related correspondence

7810180016 Forwards LER#78-064/03L-0.
SHALLER, D. V. Indiana & Michigan Power Co. 78/09/27. 1p.
94422:001.

--7810180018 LER#78-064/03L-0 on 780905: rod position indication for Rod C-9 showed deviation of greater than 12 steps from demand position. Caused by drift of signal conditioning module. Module recalibrated.
RISCHLING, J. L. Indiana & Michigan Power Co. 78/09/27. 2pp.
94422:002.

7810100044 Forwards LER#78-065/03L-0 & 78-066/03L-0.
SHALLER, D. V. Indiana & Michigan Power Co. 78/09/29. 1p.
94415:163.

--7810100064 LER#78-066/03L-0 on 780905: interlock on 650 ft level containment air lock failed to function during test, as interlock cable was too loose to operate locking mechanism. Tension adjustment was added to maintenance prog.
BROWN, M. S. Indiana & Michigan Power Co. 78/09/29. 1p.
94415:164.

--7810100068 LER#78-065/03L-0 on 780901: viscosity of diesel lube oil was low during routine check due to fuel oil contamination. For fuel oil injection pumps & 1 fuel injectors were replaced.
BROWN, M. S. Indiana & Michigan Power Co. 78/09/29. 1p.
94415:165.

7810310199 LER #78-071/03L-0 on 780926: during surveillance test on containment hydrogen skimmer recirculation for (2HV-CE0-1), 46 lbs condenser lower inlet doors opened, due to jammed actuator.
RISCHLING, J. L. Indiana & Michigan Power Co. 78/10/26. 2pp.
94438:307.

7810110188 Forwards LER#78-067/03L-0 & LER#78-068/03L-0
SHALLER, D. V. Indiana & Michigan Power Co. 78/10/03. 1p.
94069:142.

7810180002 Forwards LER#78-067/03L-0 & LER#78-068/03L-0.
SHALLER, D. V. Indiana & Michigan Power Co. 78/10/03. 1p.

--7810180004 LER#78-067/03L-0 on 780903: While in Mode 1 oper. condensate storage level reduced below limit of 175,000 gal due to closing of valve during leakage check. Level was returned to minimum requirements w/in 15 min from Unit 2 storage cys
LEASE, R. B. Indiana & Michigan Power Co. 78/10/03. 1p.

--7810180005 LER#78-068/03L-0 on 780905: It was discovered that APDMS rounds off the T(2) calculation using integer-arithmetic rather than real arithmetic w/ resulting F2 calculations being non-conservative in top core. Engr review underway.
RISCHLING, J. Indiana & Michigan Power Co. 78/10/03. 2pp.

7810180027 Forwards LER#78-069/03L-0 & LER#78-070/03L-0.
SHALLER, D. V. Indiana & Michigan Power Co. 78/10/11. 1p.
94168:192.

--7810180030 LER#78-069/03L-0 on 780913: While performing surveillance test on protec set 4 pressurizer pressure high, reactor trip bistable failed to trip on simulated high pressure signal due to bad triac. Bistable was replaced.
RISCHLING, J. L. Indiana & Michigan Power Co. 78/10/11. 1p.
94168:193

7810180032 LER#78-070/03L-0 on 780911: Air start line of 2A8 diesel was found to be hot during load test due to loose piston bolt letting combustion vapors in air starting line. Check valve was replaced & engine retested satisfactorily.
BROWN, M. S. Indiana & Michigan Power Co. 78/10/11. 1p. 94168:194.

7810230177 Forwards LER#78-063/03L-1 & #78-072/03L-0.
SHALLER, D. V. Indiana & Michigan Power Co. 78/10/18. 1p.
94167:089.

--7810230183 LER#78-072/03L-0 on 780926: During rapid load reduction from 100% to 20% pur. pressurizer pressure reduced below Tech Spec. Recovery w/in allowed time. Cause was rapid pur reduction. Tech Spec allows pur increase transient, not decrease.
LEASE, R. B. Indiana & Michigan Power Co. 78/10/18. 1p.
94167:091.

--7810230185 LER#78-063/03L-1 on 780820: While test closing turbine val at 99% pur. steam flow was reduced causing reactor coolant temp to increase & pur to decrease, both in violation of Tech Spec due to testing valve at too high pur level.
LEASE, R. B. Indiana & Michigan Power Co. 78/10/18. 1p.
94167:090

7810270309 Forwards LER#78-073/03L-0 & LER#78-074/03L-0.
SHALLER, D. V. Indiana & Michigan Power Co. 78/10/20. 1p.
94089:092.

--7810270314 LER#78-073/03L-0 on 780922: Automatic Control adjustment experienced pressure reduction below Tech Spec 3.2.5b(2220 PSIA) due to error in interpretation of calibr procedure. Operator closed valve. Pressure returned to normal.
LEASE, R. B. Indiana & Michigan Power Co. 78/10/20. 2pp.
94089:093.

--7810310155 LER#78-074/03L-0 on 780921: bistables returned to normal & trip position w/o dynamics of lead-lag portion of unit being calibrated. Caused by improper communications.
RISCHLING, J. Indiana & Michigan Power Co. 78/10/20. 2pp.
94089:095.

7810310190 Forwards LER #78-071/03L-0 & #78-075/03L-0.
SHALLER, D. V. Indiana & Michigan Power Co. 78/10/26. 1p.
94090:277.

781020252 On 781030, it became necessary to isolate deluge valves to facil Drumming Room & New Fuel Receiving Area as result of repair on Fire Sys headers. Follow up rept will be issued 781010.
SHALLER, D. V. Indiana & Michigan Power Co. 78/10/30. 1p.
94247:125.

781090151 Forwards LER#78-076/03L-0 & LER#78-077/03L-0.
SHALLER, D. V. Indiana & Michigan Power Co. 78/11/01. 1p.
94043:011.

--781090153 LER#78-076/03L-0 on 781003: surveillance tests on train-B solid st protec sys showed that several switch positions were bad. Caused by bad universal logic card. Card replaced & sys returned to svc.
RISCHLING, J. Indiana & Michigan Power Co. 78/11/01. 1p.
94043:012.

--781090158 LER#78-077/03L-0 on 781005: main turbine stop valves "C" & "D" closure limit switches found inoperable. Caused by excessive vibration of stop valves due to poor design.
RISCHLING, J. Indiana & Michigan Power Co. 78/11/01. 1p.
94043:013.

781140210 Forwards LER#78-034/03X-2, #78-078/03L-0 & #78-079/03L-0.
SHALLER, D. V. Indiana & Michigan Power Co. 78/11/08. 1p.
94461:355.

--781140218 LER#78-034/03X-2 on 780515: hydrogen skimmer recirculation fans starting times were found to be 10 minutes, 6 seconds for 2HV-CE02 & 10 minutes, 5 seconds for 2-HV-CE01. One minute TS tolerance for Unit 2 & Agastates are of 0-60 minute ramps.
RISCHLING, J. Indiana & Michigan Power Co. 78/11/08. 2pp.
94384:352.

1226 LER 78-034/031-0 on 781010: manual isolation valve in flow circuit of turbine driven aux feed pump found unlocked in. Instructions issued to keep a manual valve in test closed & locked except when testing
R. S. Indiana & Michigan Power Co. 78/11/08 2pp.
1:354

1252 LER 78-079/03L-0 on 781019: engine failed to start while attempting to prove operability of 2AD Emergency diesel in order to remove 2CD diesel from svc. Cause for apparent lack of oil could not be determined.
R. D. V. Indiana & Michigan Power Co. 78/11/08. 1p.
1:356.

77 Forwards LER#78-080/03L-0. LER#78-081/03L-0. LER#78-082/03L-0
78-083/03L-0.
D. V. Indiana & Michigan Power Co. 78/11/22. 1p.
199.

181 LER#78-080/03L-0 on 781024: during test of solid state protection train A, 3 logic test positions tested unsatisfactorily. Failed by failure of a universal logic card & a test card. Subsequently replaced.
AN. T. P. Indiana & Michigan Power Co. 78/11/22. 1p.
1:100.

185 LER#78-081/03L-0 on 781023: boron injection tank boron concentration found to exceed Spec limit. Caused by lack of effective mixing from a previous boric acid addition or by faulty sampling methods.
LPH. J. M. Indiana & Michigan Power Co. 78/11/22. 2pp.
1:101.

188 LER#78-082/03L-0 on 781025: during leak rate test on the 650 elevation airlock doors, noted that leakage rate exceeded acceptable limits. Caused by inadequate seal of door. Switch indicator subsequently readjusted.
AN. T. P. Indiana & Michigan Power Co. 78/11/22. 2pp.
1:103.

193 LER#78-083/03L-0 on 781023: noted that cycling times for operability test after maintenance not recorded when as stroked. Caused by defective document control for making changes to instructions.
R. S. Indiana & Michigan Power Co. 78/11/22. 1p.
1:105.

10 Confirms 781128 verbal rept. While investigating cause of coming from upper containment spray header, 2 lower containment spray check valves were found installed rds. Rept will be submitted 781212.
D. V. Indiana & Michigan Power Co. 78/11/28. 1p.
284.

61 Forwards LER#78-084/03L-0 & #78-085/03L-0.
D. V. Indiana & Michigan Power Co. 78/12/01. 1p.
348.

3068 LER#78-085/03L-0 on 781106: during routine surveillance test ins driven auxiliary feedwater pump did not start. Caused by diode which had shorted at electronic overspeed trip, resulting in constant overspeed trip signal.
AN. T. P. Indiana & Michigan Power Co. 78/12/01. 1p.
7:349.

3070 LER#78-084/03L-0 on 781101: rod H-B rod position remained at steps after control bank D position reduced from 220 to steps. Caused by drift for H-B signal conditioning is. Was reset to correct position.
LING. J. L. Indiana & Michigan Power Co. 78/12/01. 1p.
7:350.

86 Forwards LER#78-086/03L-0.
D. V. Indiana & Michigan Power Co. 78/12/04. 1p.
353.

3089 LER#78-086/03L-0 on 780723: snubber #63 was found to be rted on its horizontal axis during inspect due to loose end locknut. Snubber removed, tested & reinstalled.
N. M. S. Indiana & Michigan Power Co. 78/12/04. 1p.
8:356.

19 Forwards LER#78-087/03L-0 & #78-088/03L-0.
D. V. Indiana & Michigan Power Co. 78/12/06. 1p.
323.

0120 LER#78-087/03L-0 on 781110: Containment integrity was broken in assembling an NESH check valve while reactor plant was out of service. Early start of repair has been reviewed by onnel to prevent future mistakes.
R. S. Indiana & Michigan Power Co. 78/12/06. 1p.
6:324.

--7812080122 LER#78-088/03L-0 on 781123: One RHR sub-sys made inoperable w/reactor in Mode 2, less than 5% pur, due to assumption that plant was still in Mode 1 at greater than 3% pur. New safety sys unit start-up instructions issued.
LEASE. R. S. Indiana & Michigan Power Co. 78/12/06. 1p.
94106.325.

7812120178 Forwards LER#78-089/03L-0
SHALLER, D. V. Indiana & Michigan Power Co. 78/12/07. 1p.
94276.399.

--7812120186 LER#78-089/03L-0 on 781109: emergency load reduction resulted in axial flux difference outside target band. Caused by loss of all generator bus duct cooling.
RANDOLPH, J. M. Indiana & Michigan Power Co. 78/12/07. 1p.
94276.360

7812180207 Forwards LER#78-090/01T-0.
SHALLER, D. V. Indiana & Michigan Power Co. 78/12/12. 1p.
94365.094.

--7812180212 LER#78-090/01T-0 on 781121: w/RHR in oper, leakage was noted from some upper containment spray nozzles, caused by check valves CTB-127E & CTB-127H being installed backwards.
RISCHLING, J. L. Indiana & Michigan Power Co. 78/12/12. 3pp.
94365.055.

7812270252 Forwards LER#78-091/03L-0; #78-092/03L-0; #78-093/03L-0; #78-094/03L-0; #78-095/03L-0; #78-096/03L-0; #78-097/03L-0; & #78-098/03L-0.
SHALLER, D. V. Indiana & Michigan Power Co. 78/12/20. 1p.
94017.170.

--7812270255 LER#78-091/03L-0 on 781125: source range neutron flux channel N-G1 inoperable. Caused by unclean connectors on high voltage cable & signal cable at preamp.
RISCHLING, J. L. Indiana & Michigan Power Co. 78/12/20. 1p.
94017.171.

--7812270260 LER#78-092/03L-0 on 781125: reactor coolant average temp on 2 of 4 loops below Tech Specs of 341F, resulting in P-12 permissive being actuated. Caused by turbine test w/minimum steam dump, increase steam flow caused temp drop.
RANDOLPH, J. M. Indiana & Michigan Power Co. 78/12/20. 1p.
94017.172.

--7812270264 LER#78-093/03L-0 on 781125: rod position indication (RPI) for control rod H-B exceeded 12 step limit. Caused by H-B drift.
RISCHLING, J. L. Indiana & Michigan Power Co. 78/12/20. 1p.
94017.173.

--7812270268 LER#78-094/03L-0 on 781202: halon sys for cable spreading area was discharged & therefore inoperable. Caused by operator error.
SMITH, J. K. Indiana & Michigan Power Co. 78/12/20. 1p.
94017.174.

--7812270272 LER#78-095/03L-0 on 781206: while decreasing turbine load, reactor coolant average temp exceeded 576.2 F. Caused by faulty drain valves on 5-A heater, creating unstable feedwater control & turbine load.
MURPHY, C. E. Indiana & Michigan Power Co. 78/12/20. 1p.
94017.175.

--7812270277 LER#78-096/03L-0 on 781209: during rapid load reduction from 100% to 88%, axial flux difference went outside target band. Air leak on "A" condenser vacuum breaker caused increase in back pressure on main condenser.
* Indiana & Michigan Power Co. 78/12/20. 1p. 94017.176.

--7812270282 LER#78-097/03L-0 on 781209: during rapid pur reduction from 100% to 88%, pur pressurizer pressure reduced below tech spec limit of 2220psia. Caused by rapid pur reduction because of decreasing vacuum on main turbine/generator.
KEITH, R. B. Indiana & Michigan Power Co. 78/12/20. 1p.
94017.177.

--7812270286 LER#78-098/03L-0 on 781010: axial flux difference (AFD) monitoring alarm point was discovered to be set at 103% vice 84%. Caused by AFD alarm trip point being raised for testing purposes & not returned to correct point.
BEILMAN, T. P. Indiana & Michigan Power Co. 78/12/20. 2pp.
94017.178.

7812290083 Confirms 781224 verbal rept re brief inoperability of control room pressurization fans, due to Fire Protec logic preventing fans from starting. Followup rept will be submitted 780106.
SHALLER, D. V. Indiana & Michigan Power Co. 78/12/27. 1p.
94190.107.

DOCKET 80-317 CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT 1F. Security, medical, emergency & fire protection plans

7810310271 Forwards Suppl 1 to Rev of Calvert Cliffs Modified Amended security plan re temporary security arrangement during constr of new svc bldg. Encl withheld from public disclosure (ref 10CFR72 790).
LUNDVALL, A.E. Baltimore Gas & Electric Co. 78/10/17. 3pp.
94088:238

7810230162 Forwards addl info re fire protec study in response to 780830 ltr Covers transient combustibles, design basis fire methodology, conduits & covered cable trays & determination of burning rates.
LUNDVALL, A.E. Baltimore Gas & Electric Co. 78/10/20. 39pp.
94164:208

7811130375 Notifies of completion of review of temporary security arrangements to be established during constr of new svc bldg. Changes do not decrease security & no action is required.
GAITANIS, M.J. Reactor Safety Branch (Pre 791030). 78/10/30. 1p.
94008:077

7811130155 Responds to 781031 NRC request re requirements for non-co personnel access to facility. Encls outline training requirements for entry to controlled areas & security requirements for admittance.
LUNDVALL, A.E. Baltimore Gas & Electric Co. 78/11/01. 7pp.
94270:167

7811150189 Forwards copies of Rev 4 of Mod Amend Security Plan, including additions verbally requested by MJ Gaitanis & reflecting impending organizational changes. Info withheld pursuant to 2.790.
LUNDVALL, A.E. Baltimore Gas & Electric Co. 78/11/06. 1p.
94242:358

7811170197 Announces another review of NRC guidelines re Facil Fire Protec Prog will be performed because review may have been misleading. Next response will be submitted no later than 781229.
LUNDVALL, A.E. Baltimore Gas & Electric Co. 78/11/14. 1p.
94048:294

7812180265 Notification of 781221 meeting in Bethesda w/BQ&E re fire protec review & instru cable fire retardant properties.
CONNER, E.L. Operating Reactors Branch 4 (Pre 790625). 78/12/07. 3pp. 94365:346

P. Operating license stage documents & correspondence

7811270166 Forwards "Chesapeake Bay LNG OPLAN." Plans establish procedures to ensure safe arrival, transit & departure of vessels carrying liquefied natural gas on Chesapeake Bay.
SCHUMACHER, K.B., THOMPSON, C.R. Coast Guard, Transportation, Dept. of. 78/03/09. 42pp. 94223:207

7810250143 Notifies NRC per 10CFR71.12b of intent to use package AN-1008(USA/9809/A) supplied by Hittman Nuc Dev Corp for shipment of radioactive metals.
LUNDVALL, A.E. Baltimore Gas & Electric Co. 78/10/05. 1p.

7811030079 Requests addl info re radiat dose to control room operators following postulated LOCA. Analysis of postulated event finds addl info is req.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/10. 3pp.
02723:332

7811010233 Notifies util of 781018 meeting re implementation of Intl Atomic Energy Agency Safeguards Requirements pursuant to proposed "Agreement Between the USA & Intl Atomic Energy Agency for Appl of Safeguards in the USA."
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/13. 2pp.
94392:074

7810230148 Forwards suppl & corrected data to be included in rept on test conducted re reactor containment bldg integrated leak rate.
LUNDVALL, A.E. Baltimore Gas & Electric Co. 78/10/16. 4pp.
94164:295

7810260202 Responds to 780502 NRC ltr re addl info to complete review of amend request dtd 780727. Also forwards rept on containment random surveillance lift-off acceptance criteria which is basis for several responses to NRC questions.
LUNDVALL, A.E. Baltimore Gas & Electric Co. 78/10/20. 51pp.

7811170121 Requests 1 change & 1 addition to Svc list.
OLSON, R.C. Baltimore Gas & Electric Co. 78/11/09. 1p. 94048:277

7811200206 Requests amend to oper lic tech specs re: limiting maxime boron concentration in BIT's & RMT's to 2200ppm, allow lesser shutdown cooling flow when reactor coolant loop partially drained, & add loss of field trip to DO surveillance.
LUNDVALL, A.E. Baltimore Gas & Electric Co. 78/11/13. 30pp.
94292:045

7811240214 Remits Lic amend fee for Class 4 & Class 1 amend involving 11 proposed changes to oper lic.
OLSON, R.C. Baltimore Gas & Electric Co. 78/11/15. 1p. 94463:360

7812150106 Notice of workshops re implementation of training & qual requirements contained in Append H of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out mail w/encl Registration Form & List of Locations.
MILLER, J.R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 3pp.

7812190008 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0472) & "Preparation of Radiological Effluent Tech Specs For Nuc Pwr Plants" (NUREG-0133).
ORRIS, B.K. Assistant Director For Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94214:266

7811240183 Forwards response to NRC request for addl info re analysis of potential radioactive dose to control room operators following loss-of-coolant accident.
LUNDVALL, A.E. Baltimore Gas & Electric Co. 78/11/20. 22pp.
94458:279

7811300046 Informs BGE that NRC has contracted w/Mountain West Res Inc to undertake a series of post-licensing studies of nuc pwr stations. Studies will analyze socioecon impacts which occurred during constr & post-constr periods of each plant.
DEYOUNG, R.C. Division of Site Safety & Environmental Analysis. 78/11/20. 2pp. 94071:049

7812070161 Notice of seminar on 781208 on new Model Radiological Effluent Tech Specs for nuc pwr plants. Requests advance submission of seminar specific questions. W/encl Seminar Info Sheet, Proposed Agenda & maps.
ORRIS, B.K. Region 1, Philadelphia, Office of the Director. 78/11/21. 6pp. 94375:168

7812140379 Forwards discussion topics for meeting to be held on 781218. Purpose of meeting is to obtain info for use in "Reactor Safety Study Methodology Appls Prog" res proj.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/11/28. 6pp.
03558:120

7812130293 Asks util to reexamine 780725 request for exemption from 10CFR21 in light of 781019 amend to Part 21.
DENTON, H.R. Office of Nuclear Reactor Regulation, Director. 78/11/29. 2pp. 94294:360

7812150079 Discusses possible dangers of LOCA in containment surging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND:
7812080207.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/11/29. 6pp.
94211:295

7812280140 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J.Q. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94310:382

7812270384 Forwards info re forthcoming 781220 meeting to discuss fuel demonstration prog related to subj Facila' transitions to 18 month cycles.
CONNER, E.L. Operating Reactors Branch 4 (Pre 790625). 78/12/12. 2pp. 94228:292

7811090061 Responds to 780731 ltr on Liquid Natural Gas Contingency Plans spent fuel storage capacity & shallow water draft trials of LNG tankers. W/encl ltr from Coast Guard that maneuvers near facil will not be allowed w/gas.
REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/18. 3pp.
94040:119

Q. Inspection reports, IE Bulletins & correspondence

--7811080096 IE Inspec Repts#50-317/78-23, #50-318/78-17 on 780822-29 during which no items of noncompliance were noted. Major areas inspected included: monthly oper status repts; facility tours & implementation of 10CFR21 requirements. JOHNSON, D.F., KEIMIO, R.R. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/18. 3pp. 94399:074.

7810170026 Forwards IE Bulletin#78-12: "Atypical Weld Material in Reactor Pressure Vessel Welds" requesting action w/in 60 days & list of IE Bulletins issued in 1978. ORIER, B.H. Region 1, Philadelphia, Office of the Director. 78/09/29. 6pp. 94241:392.

7811060198 Forwards IE Circular#78-17. (See AND: 7810230221, Docket #50-133, 781013.) ORIER, B.H. Region 1, Philadelphia, Office of the Director. 78/10/13. 1p. 94489:158.

7811090025 Ack receipt of ltr informing NRC of steps taken to correct violations noted during Inspec#50-317/78-22 & #50-318/78-16. SMITH, Q.H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/10/26. 1p. 94040:029.

--7811090030 Responds to 780813 NRC ltr re violations noted in Inspec Repts#50-317/78-22 & 50-318/78-16. Corrective actions: Rad-Chem technicians properly retrained; CCI-607B rev by 781201; air supply maint procedures written by 781101. LUNDVALL, A.E. Baltimore Gas & Electric Co. 78/11/08. 3pp. 94040:030.

--7811090032 Forwards IE Inspec Rept#50-317/78-22 & #50-318/78-16 on 780808-1B & Notice of Violation. CROCKER, H.W. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/09/13. 2pp. 94040:031.

--7811090034 Notice of Violation from Inspec on 780808-11. CROCKER, H.W. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/09/13. 2pp. 94040:033.

--7811090038 IE Inspec Rept#50-317/78-22 & #50-318/78-16 on 780808-11 during which 3 items of noncompliance were noted: radiat protc procedures; Procedure CCI-607B not incorp into training; NUREG-0041, Section 9.8 procedures ignored. WHITE, J.R., SERABIAN, J.A., KNAPP, P.J. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/09/12. 11pp. 94040:035.

7811140045 Requests that util prepare answers to encl questions on insvc test prog for meeting on 781108-09 at Calvert Cliffs. MD & formally document responses by 781127. REID, R.W. Operating Reactors Branch 4 (Pre 790625). 78/10/31. 8pp. 94200:326.

7812010345 Forwards licensee performance evaluation for Region 1. No operating reactor in Region 1 considered to have either abnormal or unusual safety concern. ORIER, B.H. Region 1, Philadelphia, Office of the Director. 78/11/01. 4pp. 00002:259.

7811150265 Ack receipt of 781017 ltr informing NRC of steps taken to correct violations noted during Inspec#50-317/78-26 & #50-318/78-20. BRUNNER, E.J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/02. 1p. 94273:229.

--7811150269 Responds to 781006 NRC ltr re violation noted in Inspec Rept #50-317/78-26 & #50-318/78-20. Corrective actions: Informing control room operators of requisite procedures. LUNDVALL, A.E. Baltimore Gas & Electric Co. 78/10/17. 2pp. 94273:230.

--7811150272 Forwards IE Inspec Rept#50-317/78-26 & #50-318/78-20 on 780912-15 & Notice of Violation. BRUNNER, E.J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/06. 2pp. 94273:232.

--7811150274 Notice of Violation from Inspec on 780912-15. BRUNNER, E.J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/06. 1p. 94273:234.

--7811150276 IE Inspec Rept#50-317/78-26 & #50-318/78-20 on 780912-15 during which 1 item of noncompliance was noted: Failure to comply w/limiting conditions for oper. JOHNSON, D.F. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/06. 12pp. 94273:235.

7811290220 Forwards IE Circular #78-1B, "UL Fire Test." W/encl AND: 781150002. ORIER, B.H. Region 1, Philadelphia, Office of the Director. 78/11/06. 1p. 94237:298.

7812010291 Ack receipt of 781017 ltr informing NRC of steps taken to correct violation noted during Inspec#50-317/78-25 & #50-318/78-19. BRUNNER, E.J. Region 1, Philadelphia, Office of the Director. 78/11/06. 1p. 94417:266.

--7812010295 Responds to 780928 NRC ltr re violations noted in Inspec Repts#50-317/78-25 & #50-318/78-29. Corrective actions: 21B Safety Injection Tank drained to spec level & personnel reprimanded. LUNDVALL, A.E. Baltimore Gas & Electric Co. 78/10/17. 2pp. 94417:267.

--7812010296 Forwards IE Inspec Repts#50-317/78-25, #50-318/78-19 on 780905-08 & Notice of Violation. BRUNNER, E.J. Region 1, Philadelphia, Office of the Director. 78/09/28. 2pp. 94417:269.

--7812010298 Notice of Violation from Inspec on 780905-08. * Region 1, Philadelphia, Office of the Director. 78/09/28. 1p. 94417:271.

--7812010303 IE Inspec Repts#50-317/78-25 & #50-318/78-19 on 780905-08 during which 2 items of noncompliance were noted: failure to conduct Type B tests w/in 2 years; failure to follow approved procedure. HIGGINS, J.C., SMITH, T.H., WONG, H.J. Region 1, Philadelphia, Office of the Director. 78/09/28. 12pp. 94417:272.

7812240028 Forwards IE Inspec Repts#50-317/78-30 & 50-318/78-27 on 781023-26 during which no items of noncompliance were noted. BRUNNER, E.J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/13. 2pp. 94208:040.

--7812240034 IE Inspec Repts#50-317/78-30 & #50-318/78-27 on 781023-26 during which no items of noncompliance were noted. Major areas inspected incl: shift logs & records & licensee followup actions concerning previous Inspec findings. JOHNSON, D.F., KEIMIO, R.R. Region 1, Philadelphia, Office of the Director. 78/11/09. 6pp. 94208:042.

7812110105 Responds to IE Bulletin#78-12 re reactor pressure vessel welds. Requests permission to deal w/problems on a generic rather than a plant specific basis. LUNDVALL, A.E. Baltimore Gas & Electric Co. 78/11/17. 2pp. 94339:062.

7812080125 Responds to 781031 & 761124 NRC ltrs requesting addl info re pump & valve testing insvc progs. W/encl oversize drawings available in Central Files only. LUNDVALL, A.E. Baltimore Gas & Electric Co. 78/11/20. 9pp. 94106:336.

7812150125 Forwards IE Bulletin#78-12A, suppl to IE Bulletin#78-12. W/encl AND: 7811300055. ORIER, B.H. Region 1, Philadelphia, Office of the Director. 78/11/24. 1p. 94212:159.

7812060242 Forwards IE Inspec Repts#50-317/78-24 & #50-318/78-26 on 780410-3 during which no items of noncompliance were noted. SMITH, Q.H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/11/25. 2pp. 94372:340.

--7812060244 IE Inspec Repts#50-317/78-24 & #50-318/78-26 on 780410-3 during which no items of noncompliance were noted. Major areas inspected incl: effluent sample. KOTTAN, J.J., STOHR, J.P. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/10/24. 4pp. 94372:342.

7812080096 Discusses ASME Boiler & Pressure Vessel Code Requirements for Insvc Inspec of Nuc Components. Requirement for piping examination is burdensome because extra teams must be utilized who will be unnecessarily exposed to radiat. LUNDVALL, A.E. Baltimore Gas & Electric Co. 78/12/05. 2pp. 94107:296.

R. Periodic operating reports & related correspondence

7810230178 Forwards Monthly Oper Rept for Sept 1978. MERSON, B.D. Baltimore Gas & Electric Co. 78/10/15. 1p. 94164:100.

--7810230182 Monthly Oper Rept for Sept 1978. * Baltimore Gas & Electric Co. 78/10/15. 20pp. 94164:105.

7811240218 Forwards Monthly Oper Rept for Oct 1978. MERSON, B.D. Baltimore Gas & Electric Co. 78/11/15. 1p. 94473:330.

--7811240217 Monthly Oper Rpt for Oct 1978.
MERSON, B. D. Baltimore Gas & Electric Co. 78/11/15. 18pp.
94473.334.

7812220076 Forwards Monthly Oper Rpt for Nov 1978
MERSON, B. D. Baltimore Gas & Electric Co. 78/12/15. 1p 94343.280

--7812220077 Monthly Oper Rpt for Nov 1978.
MERSON, B. D. Baltimore Gas & Electric Co. 78/12/15. 18pp.
94343.281

B. Reportable occurrences, LERs & related correspondence

7810100051 Forwards LER#78-043/04T-0.
DOUGLASS, R. M. Baltimore Gas & Electric Co. 78/09/26. 1p.
94032:170.

--7810100058 LER#78-043/04T-0 on 780912: approximately 6200 Menidia
(Atlantic silversides) were collected between 0900 &
1000 hours from U-1 travelling screens. Studies after 1000
hours did not reveal any unusual numbers of impinged fish.
* Baltimore Gas & Electric Co. 78/09/26. 3pp. 94032:171.

781010169 Forwards LER#78-023/03L-0
DOUGLASS, R. M. Baltimore Gas & Electric Co. 78/10/06. 1p.
94069:093.

--781010174 LER#78-023/03L-0 on 780906: failure of containment atmosphere
particulate monitor due to moisture from condensation & some
corrosion caused by high ambient containment humidity &
subsequent condensation inside detector pig.
CARROLL, J. T., MIERNICKI, M. J. Baltimore Gas & Electric Co.
78/10/06 1p 94069:094

781010173 Forwards LER#78-046/04L-0.
DOUGLASS, R. M. Baltimore Gas & Electric Co. 78/10/09. 1p.
94003:022.

--781010176 LER#78-046/04L-0 on 780908: radioactive liquid waste release
rate exceeded 1.25 Curies per quarter on 780908 Change has
been submitted to change Tech Specs Section 4.6.2c to
requirements in Section 2.3.A.7.
CRINIOAN, P. T. Baltimore Gas & Electric Co. 78/09/12. 1p.
94003:023

7810270235 Forwards LER#78-045/03L-0.
DOUGLASS, R. M. Baltimore Gas & Electric Co. 78/10/20. 1p.
94097:003.

--7810270240 LER#78-045/03L-0 on 780926: Voltage deviated greater than 1.0
volts for channel 2D from other channels, caused by nonlinear
isolation transformer 1-E/E-1013A w/excessive A/C ripple &
output voltage .2V high.
DAVIS, B. M., MIERNICKI, M. J. Baltimore Gas & Electric Co. 78/10/20.
2pp. 94059:004

7810310102 Forwards LER#78-047/03L-0.
DOUGLASS, R. M. Baltimore Gas & Electric Co. 78/10/20 1p.
94092:134.

--7810310105 LER 78-047/03L-0: on 781010, 13KV Breaker 252-2104 tripped
open, de-energizing #21 12KV svc bus. Caused by signal of
unknown source.
DAVIS, B. M., ROMNEY, K. M. Baltimore Gas & Electric Co. 78/10/20.
1p. 94092:135.

7810310197 Forwards LER#78-044/03L-0.
DOUGLASS, R. M. Baltimore Gas & Electric Co. 78/10/20. 1p.
94090:305.

--7810310200 LER#78-044/03L-0 on 780923: during post-maint test on spent
fuel pool 12, exhaust for the flow rate was found to be
less than req. due to discharge damper leakage.
DAVIS, B. M., MIERNICKI, M. J. Baltimore Gas & Electric Co. 78/10/20.
2pp. 94090:306.

781010113 Forwards LER#78-048/03L-0.
DOUGLASS, R. M. Baltimore Gas & Electric Co. 78/10/26. 1p.
94288:053.

--781010116 LER#78-048/03L-0 on 781017: while moving group 5 CEAs to
control AB1, CEA#36 dropped into core from full-out position,
caused by spike in the 15 volt pwr supply. Design mod (FCR78-
72) is under review to improve sys reliability.
DAVIS, B. M., MIERNICKI, M. J. Baltimore Gas & Electric Co. 78/10/26.
1p. 94288:054.

781030112 Forwards LER#78-050/04L-0.
DOUGLASS, R. M. Baltimore Gas & Electric Co. 78/10/27. 1p.
02723:315

--781030117 LER#78-050/04L-0 on 781023: excessive release of radioactive
liquid effluents, caused by clogged strainer which put
Miscellaneous Waste Filters & Ion Exchangers out of svc.
CRINIOAN, P. T. Baltimore Gas & Electric Co. 78/10/27. 1p.
02723:316.

7810210407 Forwards LER#78-049/03L-0.
RUBBELL, L. B. Baltimore Gas & Electric Co. 78/11/16. 1p.
94483:121.

--7810210409 LER#78-049/03L-0 on 781020: pump for radiat monitors seized,
perhaps due to graphite particles from pump being deposited
in bearings. A normal end of life failure. Code Pump Model#6.
DAVIS, B. M., MIERNICKI, M. J. Baltimore Gas & Electric Co. 78/11/16.
1p. 94483:122.

7811300196 Forwards LER#78-051/03L-0.
RUBBELL, L. B. Baltimore Gas & Electric Co. 78/11/17. 1p.
94076:360.

--7811300199 LER#78-051/03L-0 on 781031: solenoid valve 1-8V-4043 for main
steam isolation valve hydraulic accumulators was leaking due
to failure of 1 of 4 "O" ring seals. Cause of ring failure
unknown. All 4 seals replaced & valve returned to svc.
DAVIS, B. M., WATKINS, K. B. Baltimore Gas & Electric Co. 78/11/17.
1p. 94076:361.

7811290264 Forwards LER#78-052/03L-0
RUBBELL, L. B. Baltimore Gas & Electric Co. 78/11/24. 1p.
94270:101.

--7811290267 LER#78-052/03L-0 on 781103: in routine surveillance test, 11
auxiliary feed pump was tripped per procedure & oper was
unable to reset throttle valve due to binding. Assembly was
freed upon lubrication of stem & nut.
DAVIS, B. M., ROMNEY, K. M. Baltimore Gas & Electric Co. 78/11/24.
1p. 94270:102.

7812130189 Forwards LER#78-053/03L-0.
RUBBELL, L. B. Baltimore Gas & Electric Co. 78/12/07. 1p.
94306:022.

--7812130194 LER#78-053/03L-0 on 781113: during normal oper the
containment particulate radioactivity monitor failed low at
1110. Caused by disconnection of signal cable to monitor.
Cable connected & monitor returned to Svc.
CARROLL, J. T., MIERNICKI, M. J. Baltimore Gas & Electric Co.
78/12/07. 1p. 94306:023.

7812200261 LER#78-054/01x-0 on 781213: reactor was made critical w/11
component cooling heat exchanger out of svc & 11 saltwater
sub-sys partially drained. Caused by personnel error.
CARROLL, J. T. Baltimore Gas & Electric Co. 78/12/14. 1p.
94207:083.

DOCKET 50-316 CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT 2

F. Security, medical, emergency & fire protection plans

781170197 Announces another review of NRC guidelines re fac11 Fire
Protac Prog will be performed because review may have been
misleading. Next response will be submitted no later than
781229.

LUNDVALL, A. E. Baltimore Gas & Electric Co. 78/11/14. 1p.
94048:294.

7810310271 Forwards Suppl 1 to Rev of Calvert Cliffs Modified Amended
security plan re temporary security arrangement during
constr of new svc bldg. Encl withheld from public disclosure
(ref 10CFR2.790).
LUNDVALL, A. E. Baltimore Gas & Electric Co. 78/10/17. 3pp.
94086:238.

7810200162 Forwards addl info re fire protac study in response to
780600 ltr. Covers transient combustibles, design basis fire
methodology, conduits & covered cable trays & determination
of burning rates.
LUNDVALL, A. E. Baltimore Gas & Electric Co. 78/10/20. 39pp.
94164:208.

781130375 Notifies of completion of review of temporary security
arrangements to be established during constr of new svc
bldg. Changes do not decrease security & no action is
required.
CAITANIS, M. J. Reactor Safety Branch (Pre 791030). 78/10/30. 1p.
94008:027.

781150155 Responds to 781031 NRC request re requirements for non-co personnel access to facility Encls outline training requirements for entry to controlled area & security requirements for admittance.
LUNDVALL, A. E. Baltimore Gas & Electric Co. 78/11/01. 7pp.
94270:167.

781150189 Forwards copies of Rev 4 of Mod Amend Security Plan, including additions verbally requested by MJ Gaitanas & reflecting impending organizational changes. Info withheld pursuant to 2.790.
LUNDVALL, A. E. Baltimore Gas & Electric Co. 78/11/06. 1p.
94242:358.

781280265 Notification of 781221 meeting in Bethesda w/BQ&E re fire protect review & Instru cable fire retardant properties.
CONNER, E. L. Operating Reactors Branch 4 (Pre 790625). 78/12/07. 3pp. 94365:346.

P. Operating license stage documents & correspondence

781170121 Requests 1 change & 1 addition to Svc list.
OLSON, R. C. Baltimore Gas & Electric Co. 78/11/09. 1p. 94048:277.

7811270166 Forwards "Chesapeake Bay LNG OPLAN." Plans establish procedures to ensure safe arrival, transit & departure of vessels carrying liquefied natural gas on Chesapeake Bay.
SCHUMACHER, K. B., THOMPSON, C. R. Coast Guard, Transportation, Dept. of. 78/03/09. 42pp. 94223:207.

7810290143 Notifies NRC per 10CFR71.12b of intent to use package AN-1008(USA/9809/A) supplied by Hittman Nuc Dev Corp for shipment of radioactive matls.
LUNDVALL, A. E. Baltimore Gas & Electric Co. 78/10/05. 1p.

781170162 Forwards non-proprietary responses to questions raised in ltr from NRC of 780908 re reload appl.
ORDR, J. W. Baltimore Gas & Electric Co. 78/10/06. 1p. 94236:214.

7811030079 Requests addl info re radiat dose to control room operators following postulated LOCA Analysis of postulated event finds addl info is req.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/10. 3pp. 02723:332.

7811010233 Notifies util of 781018 meeting re implementation of Intl Atomic Energy Agency Safeguards Requirements pursuant to proposed "Agreement Between the USA & Intl Atomic Energy Agency for Appl of Safeguards in the USA."
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/13. 2pp. 94392:074.

7810180073 Forwards supplementary info re Cycle 2 Reload Appl. Encl contains proprietary info & is w/held.
LUNDVALL, A. E. Baltimore Gas & Electric Co. 78/10/16. 48pp.

7810230246 Encl suppl info & changes to reload appl requested in 781013 NRC ltr.
LUNDVALL, A. E. Baltimore Gas & Electric Co. 78/10/17. 3pp.

7811030076 Forwards Amend#18 to Facil Oper Lic#DPR-69 revising Tech Specs as requested in 780726 ltr w/Safety Evaluation & Notice of Issuance.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/21. 3pp. 02721:008.

--7811030080 Amend#18 to Facil Oper Lic#DPR-69 revising Tech Specs re: incorp changes resulting from analyses of Cycle 2 reload fuel; & authorizing removal of all part length control element assemblies.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/21. 88pp. 02721:011.

--7811030085 Safety evaluation supporting Amend 18 to License DPR-69. * Operating Reactors Branch 4 (Pre 790625). 78/10/21. 30pp.

--7811030088 Notice of Issuance of Amend#18 to Facil Oper Lic#DPR-69 on 781021.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/21. 2pp.

7811200206 Requests amend to oper lic tech specs re: limiting maximum boron concentration in SIT's & RWT's to 2200ppm, allow lesser shutdown cooling flow when reactor coolant loop partially drained, & add loss of field trip to DG surveillance.
LUNDVALL, A. E. Baltimore Gas & Electric Co. 78/11/13. 30pp. 94232:045.

7811240214 Remits Lic amend fee for Class 4 & Class 1 amend involving 11 proposed changes to oper lic.
OLSON, R. C. Baltimore Gas & Electric Co. 78/11/15. 1p. 94463:360.

7812150106 Notice of workshops re implementation of training & qual requirements contained in Append B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl W/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 5pp.

7812190008 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0472) & "Preparation of Radiological Effluent Tech Specs for Nuc Pwr Plants" (NUREG-0133)
GRIMES, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94214:266

7811240183 Forwards response to NRC request for addl info re analysis of potential radioactive dose to control room operators following loss-of-coolant accident.
LUNDVALL, A. E. Baltimore Gas & Electric Co. 78/11/20. 22pp. 94438:279.

7811300046 Informs BOE that NRC has contracted w/Mountain West Res Inc to undertake a series of post-licensing studies of nuc pwr stations. Studies will analyze socioeconomic impacts which occurred during constr & post-constr periods of each plant.
DEVUONO, R. C. Division of Site Safety & Environmental Analysis. 78/11/20. 2pp. 94071:049.

7812070161 Notice of seminar on 781208 on new Model Radiological Effluent Tech Specs for nuc pwr plants. Requests advance submission of seminar specific questions. W/encl Seminar Info Sheet, Proposed Agenda & maps
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/21. 8pp. 94373:168.

7812140379 Forwards discussion topics for meeting to be held on 781212. Purpose of meeting is to obtain info for use in "Reactor Safety Study Methodology Appls Prog" res proj.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/28. 6pp. 03558:128.

7812130293 Asks util to reexamine 780725 request for exemption from 10CFR21 in light of 781019 amend to Part 21.
DENTON, H. R. Office of Nuclear Reactor Regulation, Director. 78/11/29. 2pp. 94294:360.

7812150079 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/encl AND:
7812080207.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/11/29. 6pp. 94211:295.

7812280140 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. O. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94310:352.

7812270354 Forwards info re forthcoming 781220 meeting to discuss fuel demonstration prog related to subj facils' transitions to 18 month cycles.
CONNER, E. L. Operating Reactors Branch 4 (Pre 790625). 78/12/12. 2pp. 94228:292.

7811090061 Responds to 780731 ltr on Liquid Natural Gas Contingency Plan, spent fuel storage capacity & shallow water draft trials of LNG tankers W/encl ltr from Coast Guard that maneuvers near facil will not be allowed w/gas.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/18. 3PP. 94040:119.

G. Inspection reports, IE Bulletins & correspondence

7812010291 Ack receipt of 781017 ltr informing NRC of steps taken to correct violation noted during inspect#50-317/78-25 & #50-318/78-19.
BRUNNER, E. J. Region 1, Philadelphia, Office of the Director. 78/11/06. 1p. 94417:266.

--7812010296 Forwards IE Inspec Repts#50-317/78-25, #50-318/78-19 on 780905-08 & Notice of Violation.
BRUNNER, E. J. Region 1, Philadelphia, Office of the Director. 78/09/28. 2pp. 94417:269.

--7812010298 Notice of Violation from inspec on 780905-08. * Region 1, Philadelphia, Office of the Director. 78/09/28. 1p. 94417:271.

781201003 IE Inspec Repts#50-317/78-25 & #50-318/78-19 on 780905-08 during which 2 items of noncompliance were noted: failure to conduct Type B tests w/in 2 years; failure to follow approved procedure
HIGGINS, J. C., SMITH, T. H., MONO, H. J. Region 1, Philadelphia, Office of the Director. 78/09/28 12pp. 94417:272

7812080096 Discusses ASME Boiler & Pressure Vessel Code Requirements for Inspec of Nuc Components Requirement for piping examination is burdensome because extra teams must be utilized who will be unnecessarily exposed to radiat
LUNDVALL, A. E. Baltimore Gas & Electric Co. 78/12/05 2pp. 94107:296

7812080125 Responds to 781031 & 761124 NRC ltrs requesting addl info re pump & valve testing insvc progs. W/encl oversize drawings available in Central Files only
LUNDVALL, A. E. Baltimore Gas & Electric Co. 78/11/20 9pp. 94106:336

7812110105 Responds to IE Bulletin#78-12 re reactor pressure vessel welds. Requests permission to deal w/problems on a generic rather than a plant specific basis.
LUNDVALL, A. E. Baltimore Gas & Electric Co. 78/11/17. 2pp. 94339:062.

7811090091 Forwards IE Inspec Repts#50-317/78-23, #50-318/78-17 on 780922-25 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/20 2pp. 94399:072

--7811080096 IE Inspec Repts#50-317/78-23, #50-318/78-17 on 780822-25 during which no items of noncompliance were noted. Major areas inspected included monthly oper status repts; facility tours & implementation of 10CFR21 requirements.
JOHNSON, D. F., KEIMIG, R. R. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/09/18. 5pp. 94399:074.

7810170026 Forwards IE Bulletin#78-12 "Atypical Weld Material in Reactor Pressure Vessel Welds" requesting action w/in 60 days & list of IE Bulletins issued in 1978.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/09/29. 6pp. 94241:332

7811060188 Forwards IE Circular#78-17. (See AND: 7810230221, Docket #50-133, 781013)
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/10/13. 1p. 94489:158.

7811090025 Ack receipt of ltr informing NRC of steps taken to correct violations noted during Inspec#50-317/78-22 & #50-318/78-16.
SMITH, O. H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/10/26 1p. 94040:029.

--7811090030 Responds to 780813 NRC ltr re violations noted in Inspec Repts#50-317/78-22 & 50-318/78-16. Corrective actions: Rad-Chem technicians properly retrained; CCI-6078 rev by 781201air supply maint procedures written by 781101.
LUNDVALL, A. E. Baltimore Gas & Electric Co. 78/11/08. 3pp. 94040:030.

--7811090032 Forwards IE Inspec Repts#50-317/78-22 & #50-318/78-16 on 780808-18 & Notice of Violation.
CROCKER, H. W. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/09/13. 2pp. 94040:031.

--7811090034 Notice of Violation from Inspec on 780808-11.
CROCKER, H. W. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/09/13. 2pp. 94040:033.

--7811090038 IE Inspec Rept#50-317/78-22 & #50-318/78-16 on 780808-11 during which 3 items of noncompliance were noted: radiat protc procedures; Procedure CCI-6078 not incorp into training; NUREG-0041, Section 9.8 procedures ignored.
WHITE, J. R., BERABIAN, J. A., KNAPP, P. J. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/09/12. 11pp. 94040:035.

7811140045 Requests that util prepare answers to encl questions on insvc test prog for meeting on 781108-09 at Calvert Cliffs. MD & formally document responses by 781127.
REID, R. W. Operating Reactors Branch 4 (Pre 790625). 78/10/31. 8pp. 94420:326.

7812010345 Forwards licensee performance evaluation for Region 1. No operating reactor in Region 1 considered to have either abnormal or unusual safety concern.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/01. 4pp. 00002:299.

7811150269 Responds to 781006 NRC ltr re violation noted in Inspec Rept #50-317/78-26 & #50-318/78-20. Corrective actions: informing control room operators of requisite procedures.
LUNDVALL, A. E. Baltimore Gas & Electric Co. 78/10/17. 2pp. 94273:230.

--7811150272 Forwards IE Inspec Rept#50-317/78-26 & #50-318/78-20 on 780912-15 & Notice of Violation.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/06. 2pp. 94273:232.

--7811150274 Notice of Violation from Inspec on 780912-15.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/06. 1p. 94273:234.

--7811150276 IE Inspec Rept#50-317/78-26 & #50-318/78-20 on 780912-15 during which 1 item of noncompliance was noted: failure to comply w/limiting conditions for oper.
JOHNSON, D. F. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/06. 12pp. 94273:235.

7811290220 Forwards IE Circular #78-18, "UL Fire Test." W/encl AND: 7811150002.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/06 1p. 94237:298

7812280313 Forwards IE Inspec Rept#50-318/78-22 on 780925-29 & 1017-18 during which no items of noncompliance were noted.
CARLSON, R. T. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/11/09. 2pp. 94082:049.

--7812280319 IE Inspec Rept#50-318/78-22 on 780925-29 & 1017-18 during which no items of noncompliance were noted. Major areas inspected incl: Steam Generator Inspec Prog & Inspec (ISI) Activities.
MCBREARY, R. A., EBNETER, S. D. Region 1, Philadelphia, Office of the Director. 78/11/07. 8pp. 94082:051.

7812290028 Forwards IE Inspec Repts#50-317/78-30 & 50-318/78-27 on 781023-26 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/13. 2pp. 94208:040.

--7812290034 IE Inspec Repts#50-317/78-30 & #50-318/78-27 on 781023-26 during which no items of noncompliance were noted. Major areas inspected incl: shift logs & records & licensee followup actions concerning previous Inspec findings.
JOHNSON, D. F., KEIMIG, R. R. Region 1, Philadelphia, Office of the Director. 78/11/09. 6pp. 94208:042.

7812130125 Forwards IE Bulletin#78-12A, suppl to IE Bulletin#78-12. W/encl AND: 7811300059.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/24. 1p. 94212:159.

7812060242 Forwards IE Inspec Repts#50-317/78-29 & #50-318/78-26 on 780410-3 during which no items of noncompliance were noted.
SMITH, O. H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/11/23. 2pp. 94372:340.

--7812060244 IE Inspec Repts#50-317/78-29 & #50-318/78-26 on 780410-3 during which no items of noncompliance were noted. Major areas inspected incl: effluent sample.
KOTIAN, J. J., BLOHM, J. P. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/10/24. 4pp. 94372:342.

R. Periodic operating reports & related correspondence

7810230178 Forwards Monthly Oper Rept for Sept 1978.
MERSON, B. D. Baltimore Gas & Electric Co. 78/10/15. 1p. 94164:104.

--7810230182 Monthly Oper Rept for Sept 1978.
" Baltimore Gas & Electric Co. 78/10/15. 20pp. 94164:105.

7812220076 Forwards Monthly Oper Rept for Nov 1978.
MERSON, B. D. Baltimore Gas & Electric Co. 78/12/15. 1p. 94343:280.

--7812220077 Monthly Oper Rept for Nov 1978.
MERSON, B. D. Baltimore Gas & Electric Co. 78/12/15. 18pp. 94343:281.

B. Reportable occurrences, LERs & related correspondence

7810310209 Forwards LER#78-033/03L-0.

DOUGLASS, R. M. Baltimore Gas & Electric Co. 78/10/20. 1p.
94090:318

--7810310216 LER 78-033/03L-0 on 780924: while filling refueling pool from refueling water tank an RAS actuated & tripped both LPBI pumps, due to poor calibr of Sigma Instr level indicator 2-LI-4143.
CARROLL, J. T., ROMNEY, K. M. Baltimore Gas & Electric Co. 78/10/20. 1p. 94090:319.

781130166 LER#78-036/01X-0 on 781023: during inspec of steam generator isolation signal logic, 21 main steam isolation valves failed to shut when given SG18A & SG18B signal. Cause undetermined.
DAVIS, B. M. Baltimore Gas & Electric Co. 78/10/24. 1p. 94087:359.

7811060133 LER#78-038/01X-0 on 781025: containment air lock inner door remained open for 4 days. Caused by misunderstanding between shift supervisor & maintenance personnel.
CARROLL, J. Baltimore Gas & Electric Co. 78/10/31. 2pp. 94424:203

7811060155 Forwards LER#78-035/01T-0.
DOUGLASS, R. M. Baltimore Gas & Electric Co. 78/10/31. 1p.
94489:074.

--7811060161 LER#78-035/01T-0 on 781017: air binding of LPBI pumps resulted when air being used to transfer purification sys resin leaked into the SDC Sys. Oper instrucs are being rev.
CARROLL, J. T. Baltimore Gas & Electric Co. 78/10/31. 1p.
94489:075

781130211 Forwards LER#78-034/03L-0.
DOUGLASS, R. M. Baltimore Gas & Electric Co. 78/11/02. 1p.
03554:033.

--781130214 LER#78-034/03L-0 on 781023: in Mode 3 at 500F, 12 main steam safety valve relief set points were outside tolerances of 18 A. 7.1 all were adjusted & setpoints returned to spec.
DAVIS, B. M., MIERNICKI, M. J. Baltimore Gas & Electric Co. 78/11/02. 1p. 03554:034.

781140164 Forwards LER#78-036/01T-0
DOUGLASS, R. M. Baltimore Gas & Electric Co. 78/11/02. 1p.
94383:314.

--781140170 LER#78-036/01T-0 on 781023: during routine test of steam generator isolation signal logic, 21 main steam isolation valve failed to shut upon SG18A & SG18B signal or hand switch in Control Room, due to sticking MBIV solenoid valves.
DAVIS, B. M., WATKINS, K. B. Baltimore Gas & Electric Co. 78/11/02. 2pp. 94383:315.

781170165 Forwards LER#78-037/03L-0.
RUBELL, L. B. Baltimore Gas & Electric Co. 78/11/10. 1p.
94047:353.

--781170171 LER#78-037/03L-0 on 781025: during oper. reactor protec instru wide range logarithmic neutron flux monitor Channel A read 2 decades lower than other Channels, due to connector for Channel A not being dried completely when recently cleaned.
DAVIS, B. M., ROMNEY, K. M. Baltimore Gas & Electric Co. 78/11/10. 2pp.

781170179 Forwards LER#78-038/01T-0.
RUBELL, L. B. Baltimore Gas & Electric Co. 78/11/13. 1p.
94136:033.

--781170187 LER#78-038/01T-0 on 781025: during LPPT in Mode 2, containment air lock was opened to repair failed oper mechanism & was kept ajar, due to misunderstanding between supervisor & maintenance personnel. All personnel have been retrained.
CARROLL, J., ROMNEY, K. Baltimore Gas & Electric Co. 78/11/13. 2pp. 94048:136.

7811300211 Forwards LER#78-041/03L-0
RUBELL, L. B. Baltimore Gas & Electric Co. 78/11/24. 1p.
94075:217.

--7811300223 LER#78-041/03L-0 on 781115: RWT level discovered to be at 455 inches. Caused by Rad-Chem technician's failure to fully close local sample valve after drawing routine sample. Technician has been retrained in valve sampling.
DAVIS, B. M. Baltimore Gas & Electric Co. 78/11/24. 1p.
94075:218.

7812130170 Forwards LER#78-039/03L-0
RUBELL, L. B. Baltimore Gas & Electric Co. 78/12/07. 1p.
94294:355.

--7812130174 LER#78-039/03L-0 on 781115: during normal oper periodic inventory balance indicated that unidentified reactor coolant leakage was 1.72 gpm at 0600. Leak identified as cracked weld.
CARROLL, J. T., WATKINS, K. B. Baltimore Gas & Electric Co. 78/12/07. 1p. 94294:356.

7812130183 Forwards LER#78-043/03L-0
RUBELL, L. B. Baltimore Gas & Electric Co. 78/12/07. 1p.
94305:361.

--7812130187 LER 78-043/03L-0 on 781126: during monthly surveillance of CEA 3 dropped to bottom of core at 0049. Pwr reduced to 70% per Tech Specs until CEA 3 was restored to its group position at 0158.
CARROLL, J. T., MIERNICKI, M. J. Baltimore Gas & Electric Co. 78/12/07. 1p. 94305:362.

7812260244 Forwards LER#78-040/03L-0
RUBELL, L. B. Baltimore Gas & Electric Co. 78/12/14. 1p.
94159:349.

--7812260248 LER#78-040/03L-0 on 781117: #3 halon sub-sys discharged w door to 22 inverter was open. Caused by thermal detector being overly sensitive to rate of rise of temp. When door opened, internal airflow disturbed, setting off detector.
CARROLL, J. T., MIERNICKI, M. J. Baltimore Gas & Electric Co. 78/12/14. 1p. 94159:350.

DOCKET 50-320 THREE MILE ISLAND NUCLEAR STATION, UNIT 2

F. Security, medical, emergency & fire protection plans

7811270135 Forwards Revision 4 to physical security plan. Withheld (re 10CFR2.790).
HERBEIN, J. Q. Metropolitan Edison Co. 78/11/17. 1p. 94253:352.

G. Adjudicatory correspondence

7810140106 Recommends that 781117 be set as new filing deadline, as a result of addl inquiries posed in 780915 order.
CHANDLER, L. J. Office of the Executive Legal Director. 78/10/04. 1p. 94421:344.

7810200034 Requests extension until 781117 to file suppl testimony on air crash probability analysis, due to difficulty in obtaining data & witness.
TROWBRIDGE, O. F. Shaw, Pittman, Potts & Trowbridge. 78/10/04. 2pp. 94367:031.

7810240046 Extends time for the filing of prepared testimony on the airplane crash probability issue until 781117.
DUFLD, M. E. Atomic Safety and Licensing Appeal Panel. 78/10/10. 2pp. 00001:229.

7811010342 Forwards order for mod of license which amends DPR-73 & supersedes order for mod of license dtd 780526.
VARQA, B. A. Light Water Reactors Branch 4. 78/10/13. 3pp. 94391:077.

--7811010368 Order for mod of license amending DPR-73 & superseding 780526 order. Adds provision limiting reactor core power level to 2772 MWt.
BOYD, R. S. Division of Project Management. 78/10/13. 6pp. 94391:080.

7812050090 Forwards recent NRC memos re problems associated w/ pipe support base plate design which apply to facility.
MCQUARRIE, H. J. Office of the Executive Legal Director. 78/11/14. 9pp. 94335:228.

7812040264 Motion for extension of time for filing 781130. Certificate of Bvc encl.
CHANDLER, L. J. Office of the Executive Legal Director. 78/11/14. 4pp. 94129:352.

7812130375 Forwards portion of NRC testimony re d Carrier crashes & crash info for heavy military
CHANDLER, L. J. Office of the Executive Legal Director. 78/11/14. 8pp. 94292:128.

7812130088 Act receipt of ASLAB 781121 order scheduling evidentiary hearing on aircraft crash probability issue at 9:00am Monday
781211
CHANDLER, L. J. Office of the Executive Legal Director 78/11/22
1p. 94294:284

7812210456 Act receipt of 781121 order scheduling evidentiary hearing on 781211 on plane crash probability Both respondent & AJ
Weisbard will represent applicants.
TROUBRIDGE, O. F. Shaw, Pittman, Potts & Trowbridge. 78/11/29. 1p.
94186:027.

7812270030 Forwards NRC testimony re aircraft crashes pertaining to facility Forwards tables re aircraft accidents
CHANDLER, L. J. Office of the Executive Legal Director 78/11/30.
8pp. 00007:147.

--7812270033 Forwards data requested for preparation of testimony before ASLAB re military aircraft Forwards info re C-5A aircraft & aircraft mishaps rates per 100,000 hours of flying.
NASH, E. J. Air Force, Dept. of 78/08/02 6pp. 00007:232

--7812270040 NRC testimony re US air carrier & military accident & traffic data
* Office of the Executive Legal Director. 78/11/17. 45pp.
00007:280

--7812270052 Forwards testimony re aircraft crashes covering a real crash density at TMI-2 & off-runway crash probabilities.
MOORE, R., ABRAMSON, L. Office of Management and Program Analysis. 78/11/30. 16pp. 00007:324.

--7812270056 Evaluation of aircraft crash potential for nuclear power plants.
EISENHUT, D. G. Assistant Director for Systems Engineering (Pre 791030). 78/11/30. 21pp. 00007:341.

7812130217 Memo & order re ALAB-309. Any party who disagrees w/ASLAB approach re radon emissions should file brief within 45 days.
BUFLD, M. E. Atomic Safety and Licensing Appeal Panel. 78/12/01.
11pp. 94306:087.

7812180307 Responds to 781121 ASLAB order & informs that NRC will be represented at forthcoming hearing on aircraft crash issue by SA Treby & RL Black.
CHANDLER, L. J. Office of the Executive Legal Director. 78/12/01.
1p. 94356:181.

7812230141 Notice of appearance of AJ Weisbard on behalf of util. Certificate of Svc encl.
WEISBARD, A. J. Shaw, Pittman, Potts & Trowbridge. 78/12/05. 3pp.
94249:067.

7812270360 Forwards professional qualifications of NRC witnesses & "Table of Effective Aircraft Impact Target Area" inadvertently omitted from NRC testimony on 781130.
CHANDLER, L. J. Office of the Executive Legal Director. 78/12/05.
20pp. 94232:333.

7812270366 Forwards revised page to testimony of J Read, et al on 781130, & errata sheet to testimony of R Moore & L Abramson.
BLACK, R. L. Office of the Executive Legal Director. 78/12/06. 4pp.
94229:017.

7812270114 Notices of appearance for RL Black, SA Treby & JF Scinto on behalf of NRC. Certificate of Svc encl.
BLACK, R. L. Office of the Executive Legal Director. TREBY, S. A., SCINTO, J. F. Hearings Division. 78/12/08. 3pp. 00008:016.

7812280314 Forwards Table 4 Revision E, providing info re weather conditions prevailing at time of accident shown on Table 4, type of radar & causative factors.
CHANDLER, L. J. Office of the Executive Legal Director. 78/12/08.
20pp. 94082:059.

H. General correspondence

7812190112 Boeing has delivered forty 727-200s to TWA; fourteen are of 191,000 lb gross taxi weight, w/takeoff weight of 190,500 lb & landing weight of 184,500 lb.
WHEELER, J. R. Boeing Co. 78/12/06. 1p. 94381:201.

7812120092 Advises that Generation Licensing Section (Production Supervision) moved back to Pottsville Pike location on 781213 Forwards new telephone numbers.
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/12. 1p. 94274:204.

J. Insurance & indemnity information

7811060092 Forwards copy of Endorsement 1 to NELIA Binder EB-65.
MOREAU, W. N. General Public Utilities - GPU Service Corp. 78/10/30.
2pp. 94424:142.

K. Utility Final Safety Analysis Report (FSAR) & amends

7811090048 Forwards Amend 66 to FSAR. Certificate of Svc encl.
HERBEIN, J. Q. Metropolitan Edison Co. 78/11/08. 3pp. 00001:276.

--7811090054 Amend 66 to FSAR.
* Metropolitan Edison Co. 78/11/08. 175pp. 00001:279.

P. Operating license stage documents & correspondence

7810260147 Forwards C-141 & E-4A info re destroyed aircraft; flying hours, sorties, & landings 1968-Jul 1978 in response to NRC 780920 ltr.
CREWSE, R. G. Air Force, Dept. of. 78/10/02. 1p. 94035:330.

7810100046 Unit 2 will install feedwater sys mod prior to startup following plant first refueling outage. Requests opportunity to meet w/NRC 781019.
HERBEIN, J. Q. Metropolitan Edison Co. 78/10/04. 1p. 94032:178.

7810180132 Responds to NRC 780804 questions re operability of containment purge valves in the event they are open at the time of a LOCA.
HERBEIN, J. Q. Metropolitan Edison Co. 78/10/13. 2pp. 94413:009.

7810310306 Notification of 781019 meeting w/util re details of steam line break P1.
SILVER, H. Light Water Reactors Branch 4. 78/10/16. 1p. 94089:090.

7810240097 In response to 780918 phone call, util will submit Tech Spec change request requiring implementation of interim corrective action for single auxiliary transformer.
HERBEIN, J. Q. Metropolitan Edison Co. 78/10/17. 2pp. 00001:233.

7810240119 Forwards NPDES Noncompliance Notification 78-22 re waste filter sys discharge sample with pH in excess of permit limitation.
TROFFER, O. J. Metropolitan Edison Co. 78/10/17. 2pp. 00001:235.

7811010246 Notification of 781026 meeting w/util re aircraft crash data for TMI-2.
SILVER, H. Light Water Reactors Branch 4. 78/10/19. 1p. 00001:251.

7810240120 In view of new Burns & Roe analysis, util will defeat automatic transfer feature when loading on 4160 volt buses exceeds 19 MW. Modifies 780929 commitment.
HERBEIN, J. Q. Metropolitan Edison Co. 78/10/20. 2pp. 00001:237.

7810300157 Appointment of new licensing mgr for GPU Svc Corp.
WALLACE, E. Q. General Public Utilities - GPU Service Corp. 78/10/23.
1p. 94035:117.

7811090114 Forwards responses to NRC 780508 ltr re steam line break & environ qualification of electrical components. FSAR pages & environ qualification test repts encl.
HERBEIN, J. Q. Metropolitan Edison Co. 78/10/31. 600pp. 94042:291.

7811030174 Forwards data requested for preparation of testimony before ASLAB. Info on gross weight of aircraft & active runway is unavailable.
NASH, E. J. Air Force, Dept. of. 78/11/03. 2pp. 02724:072.

7811401072 Forwards Tech Spec Change Request 16. Certificate of Svc & affidavit.
HERBEIN, J. Q. Metropolitan Edison Co. 78/11/06. 3pp. 94284:229.

781150161 Remits fee for NRC review of Tech Spec Change Request 16 re auxiliary transformer operation.
HERBEIN, J. Q. Metropolitan Edison Co. 78/11/09. 1p. 94273:002.

7811290343 Notification of 781122 meeting w/util to discuss proposed mods to eliminate need for prompt action in responding to small break LOCA worst single failure.
ZWETZLO, Q. B. Operating Reactors Branch 4 (Pre 790625). 78/11/17 2pp. 94193:351.

7811300037 Informs that NRC has contracted to undertake a series of post-licensing studies to analyze socioeconomic impacts of nuclear plant const.
DEYOUNG, R. C. Division of Site Safety & Environmental Analysis. 78/11/20. 2pp. 00002:234.

7811240110 Forwards proposed small break LOCA long-term mod. NRC 780926 ltr did not respond to 780724 util proposal & util believes proposal meets NRC requirements.
HERBEIN, J. Q. Metropolitan Edison Co. 78/11/21. 6pp. 94456:275.

7812070194 Notice of seminar on 781208 on new model radiological effluent Tech Specs for nuclear plants. Requests advance submission of seminar-specific questions.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/21. 8pp. 94375:069.

7812080244 Summary of a 781026 meeting re aircraft crash data at TMI-2
SILVER, H. Light Water Reactors Branch 4. 78/11/21. 5pp. 94137:168.

7812070203 Forwards summary of 781019 meeting on feedwater isolation mods.
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/04. 1p. 94375:131.

--7812070206 Summary of 781019 meeting in Bethesda, MD to reach agreement on feedwater isolation sys: conceptual design, design criteria & conformance to Condition C(31).
* Metropolitan Edison Co. 78/12/04. 20pp. 94375:132.

7812130109 Summary of 781019 meeting w/util & Burns & Roe on steam line break fix. Discussed conditions of TMI-2 license, feedwater isolation valves & Type C test.
SILVER, H. Light Water Reactors Branch 4. 78/12/04. 21pp. 94295:309.

7812180187 Forwards Tech Spec Change Request 18 requesting amend re reactor coolant pumps.
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/11. 6pp. 94366:002.

7812280049 Summary of 781122 meeting w/util in Bethesda, MD re util revised proposed mod to eliminate reliance on operator action following small break LOCA. List of attendees & proposed mechanical mods encl.
ZWETZLO, Q. B. Operating Reactors Branch 4 (Pre 790625). 78/12/12. 10pp. 00008:042.

7812190096 Forwards addl info re TMI-2 Tech Spec Change Request 18. Amend 1. Changes involve restructuring format in RCS/flow reactor power level entries.
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/13. 5pp. 94376:318.

7812290131 Provides addl info re steam line break environ qualifications. W/ revised pages containing environ test parameters for Anaconda Instrument cable & Test Rept F-C2935
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/14. 42pp. 94190:216.

G. Inspection reports, IE Bulletins & correspondence

7811090284 Forwards IE Insp Rept 50-320/78-28 on 780905-07. No noncompliance noted.
BRUNNER, E. J. Region 1, Philadelphia, Office of the Director. 78/09/21. 2pp. 00002:131.

--7811090290 IE Insp Rept 50-320/78-28 on 780905-07. No noncompliance noted. Major areas inspected: safety injection sys reset features & LERs.
HAVERKAMP, D. R. Region 1, Philadelphia, Office of the Director. 78/09/18. 8pp. 00002:133.

7810160250 Forwards IE Bulletin 78-12, "Atypical Weld Matl in Reactor Pressure Vessel Welds." Licensee action required. W/o encl.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/09/29. 6pp. 94471:302.

7810180221 Ack receipt of 780918 ltr informing NRC of steps taken to correct violations noted in IE Insp Rept 50-320/78-24.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/10/03. 1p. 94412:241.

--7810190001 Responds to NRC 780824 ltr re violations noted in IE Insp Rept 50-320/78-24. Corrective actions holding/storage oven repaired, weld rod returned to oven to remove addl hydrogen.
HERBEIN, J. Q. Metropolitan Edison Co. 78/09/18. 2pp. 94412:242.

--7810190005 Forwards IE Insp Rept 50-320/78-24 on 780718-21 & 0731-0803 & notice of violation.
BRUNNER, E. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/24. 2pp. 94412:244.

--7810190006 Notice of violation from insp on 780718-21 & 0731-0803
HAVERKAMP, D. R. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. FABANO, A. N., DURR, J. P. Region 1, Philadelphia, Office of the Director. 78/08/24. 1p. 94412:246.

--7810190007 IE Insp Rept 50-320/78-24 on 780718-21 & 0731-0803
Noncompliance noted: failure to maintain weld rod storage oven at required temp.
HAVERKAMP, D. R. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. FABANO, A. N., DURR, J. P. Region 1, Philadelphia, Office of the Director. 78/08/23. 22pp. 94412:247.

781060186 Forwards IE Circular 78-17. W/o encl.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/10/13. 1p. 00001:265.

7812010280 Forwards IE Insp Rept 50-320/78-29 on 780914-15 & 19-22. No noncompliance noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/18. 2pp. 94417:232.

--7812010282 IE Insp Rept 50-320/78-29 on 780914-15, 19-22. No noncompliance noted. Major areas inspected: preoperational & startup test results & power ascension test.
HAVERKAMP, D. R., COLEMAN, W. E., BETTENHAUSEN, L. Region 1, Philadelphia, Office of the Director. 78/10/18. 15pp. 94417:234.

7812010336 Forwards IE Insp Rept 50-320/78-30 on 781004-06. No noncompliance noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/20. 2pp. 94418:184.

--7812010338 IE Insp Rept 50-320/78-30 on 781004-06. No noncompliance noted. Major areas inspected: limiting conditions for operation & control of design changes.
HAVERKAMP, D. R., KEOHE, D. V. Region 1, Philadelphia, Office of the Director. 78/10/19. 5pp. 94418:186.

7811290324 Forwards IE Insp Rept 50-346/78-27 on 780905-03 during which no items of noncompliance were noted.
FIDRELLI, Q. Region 2, Chicago, Reactor Operations Nuclear Support Branch. 78/10/25. 2pp. 94193:300.

--7811290326 IE Insp Rept 50-346/78-27 on 780905-08 during which no items of noncompliance were noted. Major areas inspected incl: inspector of selected startup test performed during Cycle 18 per escalation testing.
CRISWELL, J. B. Region 3, Chicago, Office of the Director. 78/10/24. 5pp. 94193:302.

7812010345 Forwards licensee performance evaluation for Region 1. No operating reactor in Region 1 considered to have either abnormal or unusual safety concern.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/01. 4pp. 00002:259.

7811290199 Forwards IE Circular 78-18, "UL Fire Test."
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/06. 1p. 00002:226.

7812270047 Forwards IE Insp Rept 50-289/78-18 & 50-320/78-31 on 781006, 10-12 & 17-19 & notice of violation.
SMITH, Q. H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/11/21. 3pp. 00007:362.

--7812270051 Notice of violation from insp on 781006, 10-12 & 17-19.
* Region 1, Philadelphia, Office of the Director. 78/11/21. 2pp. 00007:002.

--7812270057 IE Insp Rept 50-289/78-18 & 50-320/78-31 on 781006, 10-12 & 17-19. Noncompliance noted: failure to barricade high radiation area or maintain records of effluent sampling.
PLUMLEE, K. E., BERABIAN, J. A. Region 1, Philadelphia, Office of the Director. 78/11/15. 12pp. 00008:004.

7812130144 Forwards IE Bulletin 78-12A, "Atypical Weld Matl in Reactor Pressure Vessel Welds."
ORIER, B. H. Region 1, Philadelphia, Office of the Director.

7810280116 Forwards corrected page of Table D-1 to "Inservice Inp Program Pumps." W/justification as Attachment A.
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/13. 3pp. 94082:319.

R. Periodic operating reports & related correspondence

7810170147 Forwards monthly operating rept for Sept 1978.
HERBEIN, J. Q. Metropolitan Edison Co. 78/10/10. 1p. 94236:077.

--7810170148 Monthly operating rept for Sept 1978.
LENDEL, R. A. Metropolitan Edison Co. 78/10/09. 4pp. 94236:078.

7811210380 Forwards monthly operating rept for Oct 1978 & corrected "Unit Shutdown & Power Reductions" page for Sept rept.
HERBEIN, J. Q. Metropolitan Edison Co. 78/11/15. 1p. 94485:186.

--7811210384 Monthly Operating rept for Oct 1978 & corrected "Unit Shutdown & Power Reductions" page for Sept rept.
LENDEL, R. A. Metropolitan Edison Co. 78/11/15. 5pp. 94485:157.

7812190132 Forwards monthly operating rept for Nov 1978.
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/15. 1p. 94340:349.

--7812190134 Monthly operating rept for Nov 1978.
HARDING, L. W. Metropolitan Edison Co. 78/12/15. 3pp. 94340:349.

S. Reportable occurrences, LERs & related correspondence

7810100088 Forwards LER 78-053/03L-0
HERBEIN, J. Q. Metropolitan Edison Co. 78/09/26. 1p. 94033:172.

--7810100095 LER 78-053/03L on 780831: safety injection channel "C" did not trip when pressure was reduced below 1640 psi. Caused by failure of bi-stable.
LENDEL, R. A. Metropolitan Edison Co. 78/09/26. 1p. 94033:173.

7810100076 Forwards LER 78-054/03L-0.
HERBEIN, J. Q. Metropolitan Edison Co. 78/09/27. 1p. 94032:238.

--7810100080 LER 78-054/03L-0 on 780907: while in Mode 5, determined containment grade switches: torque switch & motor. Caused by purchasing error.
LENDEL, R. A. Metropolitan Edison Co. 78/09/27. 2pp. 94032:239.

7810180165 Forwards LER 78-057/03L-0.
HERBEIN, J. Q. Metropolitan Edison Co. 78/09/29. 1p. 94317:094.

--7810180168 LER 78-057/03L-0 on 780830: during maint on remote shutdown display patch panel, patch power supply was grounded, causing loss of display instruments.
* Metropolitan Edison Co. 78/09/29. 1p. 94317:095.

7810110092 Forwards LER 78-059/031-0.
HERBEIN, J. Q. Metropolitan Edison Co. 78/10/02. 1p. 94063:330.

--7810110083 LER 78-059/03L-0 on 780908: Original bolted connections on containment isolation valves MU-V2A/B not taped properly caused by personnel error during construction.
LENDEL, R. A. Metropolitan Edison Co. 78/10/02. 1p. 94063:331.

7810110130 Forwards LER 78-058/03L-0.
HERBEIN, J. Q. Metropolitan Edison Co. 78/10/04. 1p. 94378:359.

--7810110134 LER 78-058/03L-0 on 780908: containment isolation valve WDL V1125 failed to close on manual initiation test signal. Believed event caused by dirty control relay contact.
LENDEL, R. A. Metropolitan Edison Co. 78/10/04. 1p. 94378:360.

7810180171 Forwards LER 78-055/03L-0.
HERBEIN, J. Q. Metropolitan Edison Co. 78/10/05. 1p. 94317:100.

--7810180174 LER 78-055/03L-0 on 780913: damper 4092-C failed to respond to close signal, caused by drawing misinterpretation.
* Metropolitan Edison Co. 78/10/05. 1p. 94317:101.

7810240128 Forwards LER 78-060/03L-0.
HERBEIN, J. Q. Metropolitan Edison Co. 78/10/13. 1p. 00001:239.

--7810240129 LER 78-060/03L-0 on 780915: trip setpoint of reactor bldg pressure switch 88-P8-3987 was .01 psig greater than allowed. Caused by setpoint drift.
STAIR, J. R. Metropolitan Edison Co. 78/10/13. 1p. 00001:240.

7810240131 Forwards LER 78-056/03L-0.
HERBEIN, J. Q. Metropolitan Edison Co. 78/10/16. 1p. 00001:2

--7810240134 LER 78-056/03L-0 on 780917: while in Mode 2 & pulling rods to increase power, asymmetric alarm was activated. Caused by improperly operating reset switch.
STAIR, J. R. Metropolitan Edison Co. 78/10/16. 1p. 00001:2

781090247 Confirms RD 78-62/1P on 781019: Action B for Y.8.3.4.6 not invoked when surveillance 2301-3D1 showed unidentified leakage over 1 gpm. Caused by personnel error.
BEELINGER, J. L. Metropolitan Edison Co. 78/10/19. 1p. 00002

781090171 Forwards LER 78-062/017-0.
HERBEIN, J. Q. Metropolitan Edison Co. 78/11/01. 1p. 94038:1

--781090174 LER 78-062/017-0 on 781019: misinterpretation of Tech led to increased frequency of performance of surveillance procedure, causing leakage limits to appear excessive.
STAIR, J. R. Metropolitan Edison Co. 78/11/01. 3pp. 94038:

781090274 Forwards LER 78-061/03L-0.
HERBEIN, J. Q. Metropolitan Edison Co. 78/11/01. 1p. 00002:1

--781090278 LER 78-061/03L-0 on 781003: trip setpoint not verified. B-h of using special test exception during pseudo dropped rod test. Caused by deficient test procedure.
STAIR, J. R. Metropolitan Edison Co. 78/11/01. 2pp. 00002:

7811210332 Forwards LER 78-066/03L-0.
HERBEIN, J. Q. Metropolitan Edison Co. 78/11/15. 1p. 94484:3

--7811210336 LER 78-066/03L-0 on 781014: control rod drive trip b closed w/only one source range detector operable. Caused by inoperable power supply for one source range channel.
LENDEL, R. A. Metropolitan Edison Co. 78/11/15. 2pp. 94484

7812060171 Forwards LER 78-063/03L-0.
HERBEIN, J. Q. Metropolitan Edison Co. 78/11/28. 1p. 94382:0

--7812060177 LER 78-063/03L-0 on 781029: during shutdown, ratchet Group 5 control rods occurred. Caused by incorrect installation of field changes in three gate drive modules.
LENDEL, R. A. Metropolitan Edison Co. 78/11/28. 1p. 94382:

7812150278 Notifies NRC of a reportable occurrence discovered at meeting between Pacifi & Babcock & Wilcox. Station procedure EP-1202.26 directed operator to take action that kept Steam Generator from going up to 120".
MURRAY, T. D. Toledo Edison Co. 78/11/28. 1p. 94213:249.

7812130199 Forwards LER 78-064/03L-0.
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/04. 1p. 94306:0

--7812130197 LER 78-064/03L-0 on 781107: borated water storage tank switches exceeded Tech Spec limit. Caused by switches out of calibr.
LENDEL, R. A. Metropolitan Edison Co. 78/12/04. 1p. 94306:

7812200275 Forwards LER 78-067/03L-0.
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/11. 1p. 94207:1

--7812200278 LER 78-067/03L-0 on 781112: fuses blew in battery ch 2-2A & 2-2B. Caused by defective gating filter module in each battery charger.
STAIR, J. R. Metropolitan Edison Co. 78/12/11. 2pp. 94207:

7812290093 Confirms RD 78-71/1P on 781208: control logic discrepancy existed for make-up (HPI) pumps.
KUNDE, O. A. Metropolitan Edison Co. 78/12/11. 1p. 94190:11

7812260259 Forwards LER 78-068/03L-0.
HERBEIN, J. Q. Metropolitan Edison Co. 78/12/13. 1p. 94159:3

--7812260261 LER 78-068/03L-0 on 781113: noted that 12 diesel gen load sequence timers' setpoints were outside Tech Spec limits. Caused by setpoint drift.
STAIR, J. R. Metropolitan Edison Co. 78/12/13. 1p. 94159:3

T. Hearing transcripts on non-antitrust matters

7812200331 Transcript of 781212 evidentiary hearing before ABLAB. Includes questions on takeoff & landing speeds. Pp 224-320.
* Atomic Safety and Licensing Appeal Panel. 78/12/12. 450pp. 00003:105.

DOCKET 30-321 EDWIN I. HATCH NUCLEAR PLANT, UNIT 1

F. Security, medical, emergency & fire protection plans

7810100039 Forwards Amend B to Fire Protection Rept for operating lics DPR-57 & NPF-5.
WHITNER, C. F. Georgia Power Co. 78/09/21. 2pp. 94033:090.

--7810100045 Amend B to Fire Protec Prog Rept for sub; facil.
Contains rev to show rooms prior to Amend 4.
* Georgia Power Co. 78/09/21. 17pp.

7811030043 Ack 781011 phone conversation with Gillespie 10CFR2.790(d) exempts from pub disclosure activities involving safeguards & security measures & encl will not be placed in PDR w/out encl.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/10/24. 2pp. 02721:336.

7811220230 Responds to 780727 ltr forwarding Rev 2 to Emergency Plan: Rev 2 is acceptable, inasmuch as it merely consists of editorial changes to previously approved Plan, incl Rev 1.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/10/26. 2pp.

7811280223 Forwards rev, "Shutdown from Outside Control Room," procedures which are applicable to commitment contained in eval of fire protec prog.
WHITNER, C. F. Georgia Power Co. 78/11/16. 36pp. 94012:093.

G. Adjudicatory correspondence

7810140146 Notice of Issuance of Amend#60 to Facil/Oper Lic #DPR-57 on 781004 re facil mod for fire protec.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/10/04. 2pp. 94421:162.

J. Insurance & indemnity information

7811170205 Requests Transmittal of 5 signed originals of Amend 10 to Indemnity Agreement B-69 to replace first 5, which were lost in transit.
WHITNER, C. F. Georgia Power Co. 78/11/19. 1p. 94048:297.

P. Operating license stage documents & correspondence

7810100642 Mode info in 780322 ltr to NRC, which responded to IE Bulletin # 78-03, Requests extension until 781231 for commitment to develop procedures for handling conditions which threaten integrity of off-gas sys.
STAFFA, R. W. Georgia Power Co. 78/10/02. 1p. 94302:354.

7811150093 Submits addl info to mod 770613 ltr re response to infraction 1.A.2 781031 extension will be necessary to install hardware & perform functional tests to equip airlocks.
STAFFA, R. W. Georgia Power Co. 78/10/02. 1p. 94113:275.

7810140051 Safety Evaluation supporting Amend #60 to Facil Oper Lic #DPR-57 concluding that the probability of disruptive fires is small & mode to improve fire resistance capability for fire doors, dampers, fire barriers are acceptable.
* Commissioners. 78/05/16. 31pp. 94421:101.

7810140046 Forwards Amend #60 to Facil Oper Lic #DPR-57 rev Tech Specs w/ Safety Evaluation & Notice of Issuance.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/10/04. 2pp. 94421:097.

--7810140049 Amend #60 to Facil Oper Lic #DPR-57 revising Tech Specs re limiting conditions for oper & surveillance requirements for existing fire protec sys & admin controls of sub; facil
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/10/04. 2pp. 94421:099.

--7810140053 Notice of Issuance of Amend #60 to Facil Oper Lic #DPR-57 on 781004.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/10/04. 2pp.

7810160104 Responds to draft Append I model Tech Specs issued by NRC on 780711 & forwards work-up of sections of draft NUREG-0473.
WHITNER, C. F. Georgia Power Co. 78/10/06. 76pp. 94234:131.

7810240110 Proposes Amend to Tech Spec for Oper Lic#DPR-57, substituting Core Maximum Fraction of Limiting Pur Density for Maximum Total Peaking Factor in determining Average Pur Range Monitor scram & rod block trip settings.
WHITNER, C. F. Georgia Power Co. 78/10/18. 12pp.

7811130335 Summary of 780914 meeting w/OE representatives & Mark 1 Owners Group re progress of Long Term Prog w/attendance list & agenda (RD-9-A-Mark1 Standards).
GRIBBS, C. Plant Systems Branch (Pre 791030). 78/10/26. 67pp.

7812260154 Forwards Reactor Containment Bldg Integrated Leak Rate Test for sub; facil.
MANRY, M. Georgia Power Co. 78/11/07. 1p. 94144:277.

--7812260156 "Reactor Containment Bldg Integrated Leakage Rate Test." Type A & suppl verification tests performed in accordance w/tech specs using formulas from ANSI N45.4-1972 & BN-Top-1.
Rev 1
MANRY, M. Georgia Power Co. 78/06/30. 70pp. 94144:278.

7811200409 Forwards results of measurements of radioactive matl in NRC phantom on whole body counter. Encl 1 contains actual amount of each radionuclide present, encl 2 gives ratio of measurements to DOE values & encl 3 gives recommendations.
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/09. 5pp. 94419:311.

7811210297 Notifies util of 781205 seminar in Atlanta to discuss new Model Rod Effluent Tech Specs & encl seminar info sheet, registration form, & proposed agenda.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/09. 5pp. 94488:131.

7811300066 Forwards NRC staff paper, Policy Session Item (SECY-78-534) re licensee reg performance evaluation. Three methods for evaluation are: statistical, trend analysis & regional survey method w/o encl.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/15. 2pp.

7812150164 Notice of workshop re implementation of training & qual requirements contained in Append B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. w/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 5pp.

7812180277 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for BWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
GRIBBS, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94337:012.

7812060003 Forwards Amend#61 to Facil Oper Lic#DPR-57 changing Tech specs as requested in 780613 ltr.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 2pp. 94328:092.

--7812060009 Amend#61 to Facil Oper Lic#DPR#57 rev Tech Specs to delete existing Append B Environ Tech Specs (ETB) & adopt ETB approved for Unit 2.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 61pp. 94328:094.

--7812060013 Environ Impact Appraisal supporting Amend#61 to Facil Oper Lic#DPR-57 concluding that there will be no environ impact attributable to proposed action & no environ impact statement need be prepared.
* Office of Nuclear Reactor Regulation, Director. 78/11/16. 5pp. 94328:159.

--7812060119 Notice of Issuance of Amend#61 to Facil Oper Lic#DPR-57.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 2pp. 94328:160.

7812110035 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. w/encl AND:
#7812080207.
IPPOLITO, T. A. Operating Reactors Branch 2 (Pre 790625). 78/11/29. 8pp. 94408:141.

7812140176 Forwards Oct 1978 Prog Activity Review listing meetings held & providing task-by-task activity summary for the month.
BOBON, L. J. General Electric Co. 78/12/04. 11pp.

7812280170 Emphasizes importance of submitting accurate & complete info to NRC by licensee & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. G. Office of Inspection & Enforcement, Office of the Director 78/12/06 2pp. 94375:009.

7812270274 Forwards proposed amends to Tech Specs & to Environ Tech Specs of sub. facil. minus section on solid radioactive waste which is still under dev. Requests delay of implementation to 790701 or later pending review completion.
WHITHER, C. A. Georgia Power Co. 78/12/21. 400pp 94231:001

7812120367 Forwards addl info re multiple consecutive safety/relief valve actuation of Mark I containment program.
GOBEN, L. J. General Electric Co 78/11/13. 3pp.

Q Inspection reports, IE Bulletins & correspondence

7810130092 Ack receipt of IE Inspec Repts#50-321/78-27 & #50-366/78-35 on 780724-C804. Does not consider any info therein to be proprietary.
STAFFA, R. W. Georgia Power Co. 78/09/27. 1p.

--7810130095 Forwards IE Inspec Rept#50-321/78-27 & #50-366/78-35 on 780724-C804 during which no items of noncompliance were noted.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch 78/09/11 2pp.

--7810130099 IE Inspec Rept#50-321/78-27 & #50-366/78-35 on 780724-C804 during which no items of noncompliance were noted. Major areas inspected included: Inspec to review LER, plant oper & action in response to IE Circular 78-08.
CANTRELL, F. S., KLINOLER, O. R., VOOT-LOWELL, R. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/08. 9pp.

7810110089 Forwards proposed amend to Tech Specs which will upgrade the insvc Inspec requirements per 10CFR59a(g)(4)(11) Proposed changes rely on standard Tech Specs.
WHITHER, C. F. Georgia Power Co. 78/10/03. 31pp. 94066:258.

781100168 Responds to 781003 NRC ltr re violations noted in Inspec Repts#50-321/78-30, #50-366/78-38 Corrective action details withheld IAM 10CFR2 790(d).
STAFFA, R. W. Georgia Power Co. 78/10/23. 1p. 94179:346.

781100106 Ack receipt of 781023 ltr informing NRC of steps taken to correct violations noted during Inspec#50-321/78-30 & #50-366/78-38.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/10/31. 1p. 94179:345.

7811130256 Ack receipt of 781027 ltr informing NRC of steps taken to correct violations noted during Inspec#50-321/78-29, #50-366/78-37.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/06. 1p.

--7811130261 Responds to 781004 NRC ltr re violations noted in Inspec Repts#50-321/78-29 & #50-366/78-37. Corrective actions: formal instruct to departmental supervisors on manning of work w/O hold points.
STAFFA, R. W. Georgia Power Co. 78/10/27. 2pp.

--7811130262 Forwards IE Inspec Repts#50-321/78-29 & #50-366/78-37 on 780821-24 & Notice of Violation.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/04. 2pp.

--7811130268 Notice of Violation from Inspec on 780821-24.
* Region 2, Atlanta, Office of the Director. 78/10/04. 1p.

--7811130286 IE Inspec Repts#50-321/78-29 & #50-366/78-37 on 780821-24 during which 2 items of noncompliance were noted. Failure to follow 2 different procedures 321/78-18-29-01 & 366/78-37-01

BRULDS, J. L. Region 2, Atlanta, Office of the Director. 78/10/04. 7pp. 94075:238.

7811130118 Forwards IE Circular 78-18.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/06. 1p. 94114:115.

7811230054 Ack receipt of IE Inspec Repts#50-321/78-31 & #50-366/78-39 on 780905-08. Does not consider any info therein to be proprietary.
STAFFA, R. W. Georgia Power Co. 78/11/13. 1p. 94336:007.

--7811220059 Forwards IE Inspec Repts#50-321/78-31 & #50-366/78-39 on 780805-08 during which no items of noncompliance were noted.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/20. 2pp. 94336:008.

--7811220064 IE Inspec Repts#50-321/78-31 & #50-366/78-39 on 780905-08 during which no items of noncompliance were noted. Major areas inspected included: lic operator request training prog; training prog for nonlic personnel & plant tour.
BRADFORD, W. H., TAYLOR, P. A., KELLGRO, P. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/19. 2pp. 94336:010.

7811280006 Ack receipt of IE Inspec Repts#50-321/78-32 & #50-366/78-40 on 780913-15. Does not consider any info therein to be proprietary.
STAFFA, R. W. Georgia Power Co. 78/11/13. 1p. 02726:314.

--7811280008 Forwards IE Inspec Repts#50-321/78-32 & #50-366/78-40 on 780913-15 during which no items of noncompliance were noted.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/18. 2pp.

--7811280012 IE Inspec Repts#50-321/78-32 & #50-366/78-40 on 780913-15 during which no items of noncompliance were noted. Major areas inspected included: review of LER's; rept procedure for 10CFR21 repts & fire equip Inspec & off-gas sys hardware.
CANTRELL, F. S., RILEY, B. W., DANCE, H. C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/18. 5pp. 02726:317.

7811200063 Forwards reproductions of articles that appeared in June & Aug 1978 editions of Nuc Security Safeguards Newsletter.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/17. 4pp. 94278:100.

7812070082 Ack receipt of IE Inspec Repts#50-321/78-28 & #50-366/78-36 on 780815-19. Does not consider any info therein to be proprietary.
STAFFA, R. W. Georgia Power Co. 78/11/20. 1p. 94347:348.

--7812070097 Forwards IE Inspec Rept 50-321/78-28 & 50-366/78-36 on 780815-18. No items of noncompliance noted.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/20. 2pp. 94347:349.

--7812070148 IE Inspec Repts#50-321/78-28 & #50-366/78-36 on 780815-18 during which no items of noncompliance were noted. Major areas inspected incl: surveillance activity on pipe support & restraint sys for Unit 1 incl examination of procedures.
WHITHER, C. F., MARTIN, R. D. Region 2, Atlanta, Office of the Director. 78/11/20. 9pp. 94347:351.

7812040310 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
W/encl AND: 7811300055.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/24. 1p. 94129:176.

7812060343 Ack receipt of IE Inspec Repts#50-321/78-35 & #50-366/78-43 on 780828-1006. Does not consider any info therein to be proprietary.
STAFFA, R. W. Georgia Power Co. 78/11/27. 1p. 94382:248.

--7812060345 Forwards IE Inspec Repts#50-321/78-35 & #50-366/78-43 on 780828-1006 during which no items of noncompliance were noted.
LONO, F. J. Region 2, Atlanta, Office of the Director. 78/11/07. 2pp. 94382:249.

--7812060350 IE Inspec Repts#50-321/78-35 & #50-366/78-43 on 780828-1006 during which no items of noncompliance were noted. Major areas inspected incl: unit 1 plant operations, Unit 2 startup testing, lic access training & on-site comm meeting minutes.
ROEBB, R. F., DANCE, H. C. Region 2, Atlanta, Office of the Director. 78/11/01. 6pp. 94382:251.

7812280286 Ack receipt of IE Inspec Repts#50-321/78-39 & 50-366/78-48 on 781130. Does not consider any info therein to be proprietary.
STAFFA, R. W. Georgia Power Co. 78/12/14. 1p. 94083:117.

--7812280290 Forwards IE Inspec Repts#50-321/78-39 & 50-366/78-48 on 781007-1110 during which no items of noncompliance were noted.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/30. 2pp. 94083:118.

--7812280294 IE Inspec Repts#90-321/78-39 & 50-366/78-48 on 781007-1110 during which no items of noncompliance were noted. Major areas inspected incl: plant ops, startup testing, minutes, Tech Spec compliance & reportable occurrences.
DANCE, H. C., ROOERS, R. F. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/30. 5pp. 94083:120.

7812280022 Forwards IE Bulletin 78-14.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/12/19. 1p. 94131:036.

7810270018 Forwards IE Circular #78-17. (See ANO:7810230221.Docket 50-133,781013)
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/10/13. 1p.

R. Periodic operating reports & related correspondence

7810170141 Monthly Oper Rpt for Sept 1978.
WILSON, B. M. Georgia Power Co. 78/10/05. 7pp. 94236:001.

781160066 Forwards Monthly Oper Rpt for Oct 1978.
MANRY, M. Georgia Power Co. 78/11/08. 1p. 94133:122.

--781160068 Monthly Oper Rpt for Oct 1978.
WILSON, B. Georgia Power Co. 78/11/05. 10pp. 94133:123.

7812130287 Forwards Monthly Oper Rpt for Nov 1978.
MANRY, M. Georgia Power Co. 78/12/07. 1p. 94409:191.

--7812130294 Monthly Oper Rpt for Nov 1978.
WILSON, B. Georgia Power Co. 78/12/05. 11pp. 94409:192.

B. Reportable occurrences, LERs & related correspondence

7810170233 Forwards LERN#78-077/01T-0.
MANRY, M. Georgia Power Co. 78/09/25. 1p. 94236:316.

--7810170237 LERN#78-077/01T-0 on 780920: while under oper. follow-up review of diesel generator control logic identified potential problem under LOCA & LQSP preventing diesel which failed or was shutdown from being restarted by control room.
GREENE, T. Tennessee Valley Authority. 78/09/28. 3pp. 94236:317.

7810170256 Forwards LERN#78-071/03L-0.
MANRY, M. Georgia Power Co. 78/09/25. 1p. 94236:343.

--7810170261 LERN#78-071/03L-0 on 780911: peak LHQR went from about 98% of limiting value to about 100.01%. Caused by inaccurate base distrib in process computer, resulting in erroneous calculation of LHQR in that region.
GREENE, T. Georgia Power Co. 78/09/25. 2pp. 94236:344.

7810170291 Forwards LERN#78-074/03L-0.
MANRY, M. Georgia Power Co. 78/09/25. 1p. 94415:087.

--7810170298 LERN#78-074/03L-0 on 780913: During inspec of fire rated penetration seal repair in cable spreading room floor, 3 penetrations in ceiling were discovered which had not been sealed. Caused by ceiling limited accessibility.
GREENE, T. Georgia Power Co. 78/09/25. 2pp. 94415:088.

7810180112 Forwards LERN#78-073/03L-0.
MANRY, M. Georgia Power Co. 78/09/27. 1p. 94195:204.

--7810180114 LERN#78-073/03L-0 on 780912: fire seals in RPB vertical cable way were found to be breached at 130 & 147 elevations. Caused by failure of constr crew to repair fire seals after installing 2 cables thru RPB room.
NIX, R. T. Georgia Power Co. 78/09/27. 1p. 94195:205.

7810170329 Forwards LERN#78-076/03L-0.
MANRY, M. Georgia Power Co. 78/09/29. 1p. 94234:340.

--7810180014 LERN#78-076/03L-0 on 780915: Refueling vent exhaust sensor gave false, high & erratic indication while at 99% reactor pow. Caused by failure of O-M tube which was replaced.
NIX, R. T. Georgia Power Co. 78/09/29. 1p. 94234:341.

7810180029 Forwards LERN#78-075/031-0.
MANRY, M. Georgia Power Co. 78/09/29. 1p. 94195:195.

7810180010 Forwards LERN#78-078/03L-0.
MANRY, M. Georgia Power Co. 78/10/06. 1p. 94422:012.

--7810180011 LERN#78-078/03L-0 on 780924: while in hot standby, discover main steamline radiat monitor surveillance test had not been performed during hot standby due to personnel oversight.
MANRY, M. Georgia Power Co. 78/10/06. 1p. 94422:013.

7810230175 Forwards LERN#78-080/03L-0.
MANRY, M. Georgia Power Co. 78/10/13. 1p. 94164:100.

--7810230176 LERN#78-080/03L-0 on 780929: during normal release of bldg liquid radwaste the Hi alarm trip of liquid radwaste radiat monitor terminated flow due to lab technician selecting wrong analyzer. Cautioned lab personnel to be very careful.
ROOERS, W. H. Georgia Power Co. 78/10/13. 3pp. 94169:305.

7810310146 Forwards LERN#78-079/03L-0.
MANRY, M. Georgia Power Co. 78/10/13. 1p. 94090:176.

--7810310150 LERN#78-079/03L-0 on 780928: main steam flow switch was overranged & made inoper by overpressurized DP cell. Switch & other redundant Barton Instru with snubbers in sensing line were checked & verified to be clear.
GREENE, T. V. Georgia Power Co. 78/10/13. 2pp. 94090:177.

7810310157 Forwards LERN#78-082/03L-0.
MANRY, M. Georgia Power Co. 78/10/20. 1p. 94090:211.

--7810310162 LERN#78-082/03L-0 on 781010: After S80T fan removed from w/reactor in run mode, other S80T train not run w/in 4 hours to prove operability. Requirement forgotten during work on other S80T. Personnel responsible admonished.
BAXLEY, B. X. Georgia Power Co. 78/10/20. 2pp. 94090:212.

7810310165 Forwards LERN#78-084/03L-0.
MANRY, M. Georgia Power Co. 78/10/23. 1p. 94090:225.

--7810310171 LER #78-084/03L-0 on 781014: secondary containment broken. Caused by opening of both turbine bldg roof access airlock doors simultaneously. Personnel admonished.
BAXLEY, B. X. Georgia Power Co. 78/10/23. 1p. 94090:226.

7810310117 Forwards LER #78-068/3L-0.
MANRY, M. Georgia Power Co. 78/10/24. 1p. 94093:330.

--7810310182 LER #78-086/03L-0 on 781016: Peak LHQR rose to 100.2 per after calibration. Caused by spatial xenon variations, which induced slightly non-conservative calculation of the LHQR in affected region.
GREENE, T. Georgia Power Co. 78/10/24. 2pp. 94093:331.

7810310160 Forwards LERN#78-083/03L-0.
MANRY, M. Georgia Power Co. 78/10/25. 1p. 94090:218.

--7810310166 LER #78-083/03L-0 on 781011: water discovered in starter. Caused by low pressure inside diesel bldg; low pressure pulled moisture-laden air into diesel bldg pullbox. Moisture condensed & collected in starter box.
NIX, R. T. Georgia Power Co. 78/10/25. 1p. 94090:219.

781060131 Forwards LERN#78-088/03L-0.
MANRY, M. Georgia Power Co. 78/10/30. 1p. 94424:201.

--781060138 LERN#78-088/03L-0 on 781021: CMPF found to be 2.562 while about 82% during load increase. Did not drop significantly after 2 hours. Caused by CMPF increased during large xenon transient; increase faster than correctable.
GREENE, T. V. Georgia Power Co. 78/10/30. 1p. 94424:202.

781060135 Forwards LERN#78-081/03L-0.
MANRY, M. Georgia Power Co. 78/10/30. 1p. 94424:207.

--781060140 LERN#78-081/03L-0 on 781005: during repair work the valve seat for P41-F3138 blew out. Caused by removal of piping 8vc Water Strainer backwash line. Rev to be made.
BAXLEY, B. X. Georgia Power Co. 78/10/30. 2pp. 94424:208.

781140136 Forwards LERN#78-089/031-0.
MANRY, M. Georgia Power Co. 78/11/02. 1p. 94383:306.

--781140162 LERN#78-089/031-0 on 781022: severe arcing observed at ex collector ring of B31-B001A. "A" M.O. set tripped before it could be removed from svc. Bolts used to fasten brush holders to yoke assembly caused brushes to arc.
NIX, R. T. Georgia Power Co. 78/11/02. 2pp. 94383:307.

7811210342 Forwards LERN#78-090/03L-0.
MANRY, M. Georgia Power Co. 78/11/13. 1p. 94484:340.

--7811210346 LER#78-090/03L-0 on 781028, at 95% rated pur. LPRM calibr 00-1 was performed, changing CHFLPD from 0.97 to 1.004. Flow was reduced after which peak LHGR was reduced to 99% of its limit. Caused by inaccurate base distrib in computer.
GREENE, T. Georgia Power Co. 78/11/13 1p. 94484:341

7811220026 Forwards LER#78-091/03L-0
HARRY, M. Georgia Power Co. 78/11/14. 1p. 94308:359

--7811220028 LER#78-091/03L-0 on 781031: surveillance of fire protec equip & circuitry (Procedures HNP-1-3356 & HNP-1-3360) had been neglected due to personnel oversight. Importance of fire detector surveillance reemphasized to personnel.
NIX, R. T. Georgia Power Co. 78/11/14. 1p. 94308:360

7811210361 Forwards LER#78-092/03L-0.
HARRY, M. Georgia Power Co. 78/11/15. 1p. 94485:052

--7811210366 LER#78-092/03L-0 on 781101: a main steam line radiation monitor (D11-K603D) failed to initiate a half scram during a test. Caused by a loose wire which had damaged some components.
NIX, R. T. Georgia Power Co. 78/11/15. 1p. 94485:053

7812060392 Voids LER#50-321/78-89.
HARRY, M. Georgia Power Co. 78/11/16. 1p. 94382:350.

7812070033 Voids LER#50-321/78-89.
HARRY, M. Georgia Power Co. 78/11/16. 1p. 94127:235.

7811280242 LER#78-093/03L-0 on 781109: during normal oper core drills were made thru diesel generator room walls to allow conduit to be run thru walls. Fire watch established per Tech Specs.
NIX, R. T. Georgia Power Co. 78/11/20. 1p. 94012:155.

7811280235 Forwards LER#78-093/03L-0.
HARRY, M. Georgia Power Co. 78/11/20. 1p. 94012:154.

7812180164 Forwards LER#78-094/03L-0.
HARRY, M. Georgia Power Co. 78/11/20. 1p. 94366:032.

--7812180170 LER#78-094/03L-0 on 781120: during NRC audit it was found that RHR time delay relay E11-K126 had been left in uncalibrated state from 780412 to 780627. Redundant relays E11-K125 A & B were functioning. Procedures will be rev.
GREENE, T. Georgia Power Co. 78/11/20. 1p. 94366:033.

7812180165 Forwards LER#78-089/03L-0.
HARRY, M. Georgia Power Co. 78/12/08. 1p. 94366:034.

--7812180169 LER#78-089/03L-0 on 781027: severe arcing at exciter collector ring of B31-8001A tripping "A" MO set causing ring & brushes to burn. Caused by bolts used to fasten brush holders to yoke assembly having insufficient length.
NIX, R. T. Georgia Power Co. 78/12/09. 2pp. 94366:035.

7812270280 Forwards LER#78-043/03L-1.
HARRY, M. Georgia Power Co. 78/12/14. 1p. 94229:313.

--7812270283 LER#78-043/03L-1 on 780609: procedure HNP-1-3902, "Safety Relief Valve Functional Test" tried unsuccessfully on 2 solenoids. One failed due to bent plunger. Other failure due to plunger not properly secured to actuating springs.
GREENE, T. Georgia Power Co. 78/06/30. 2pp. 94229:314.

7812270295 Forwards LER#78-054/03L-1.
HARRY, M. Georgia Power Co. 78/12/18. 1p. 94229:347.

--7812270296 LER#78-054/03L-1 on 780710: shock suppressor RHRM-229 found to be low on fluid. Caused by leaking "D" ring seal.
NIX, R. T. Georgia Power Co. 78/12/18. 1p. 94229:348.

7812270313 Forwards LER#78-095/03L-0.
HARRY, M. Georgia Power Co. 78/12/18. 1p. 94230:352.

--7812270318 LER#78-095/03L-0 on 781130: refueling floor vent exhaust sensor (D11-M012C) gave false high indication. Caused by sensor mounted in such a way as to allow rain water to enter.
NIX, R. T. Georgia Power Co. 78/12/18. 1p. 94230:353.

DOCKET 80-322 SHOREHAM NUCLEAR POWER STATION

A Application/construction stage documents & correspondence

781010307 Ack receipt of proposed agreement re "Disclosure of Confidential Info" filed 780817, which is satisfactory. Requests inspect of proprietary GE rept, needs permission from GE.
HAND, R. C. Reilly & Lile. 78/09/25. App. 94061:012

7810180175 Notice of meeting on 781006 to discuss subj facil Mark II Closure Prog.
WILSON, J. N. Light Water Reactors Branch 4. 78/10/02. 3pp. 94317:107.

7810270394 Response to 780919 ltr informing recipient that GE offices in San Jose & Topical Rept#21021-P will be made available for inspect Draft "Agreement Re Disclosure of Confidential Commercial Info" encl.
WHITTEMORE, F. C. Hunton & Williams. 78/10/04. App. 94032:273.

7810100017 Forwards addl info requested during NRC Reactor Sys Branch meeting of 780928 re coolant water to recirculation pump, scram capability, line break, new computer codes, & RCPB leakage detection.
NOVARRO, J. P. Long Island Lighting Co. 78/10/05. 5pp.

7810270001 Summary of trip to subj facil by Reactor Sys Branch representatives to tour facil & discuss RSB open items. Expects submittal of addl info re items discussed. W/encl list attendees.
MILLS, W. R. Division of Systems Safety. 78/10/11. 3pp. 94056:053.

7810200231 Summary of meeting of 781006 to discuss subj facil's containment closure prog issues discussed include applicant LIL's plan to use Tee-Quencher loads rather than Hams Head loads & plan to combine OBE & BRV loads by BRBS.
WILSON, J. N. Light Water Reactors Branch 4. 78/10/13. App. 94081:272.

7811130360 Summarizes 781019 meeting w/Mark 2 Owners Group to discuss Staff's Mark 2 Containment Acceptance Criteria. w/attendees list, meeting handouts, summary of owner's position & final disposition of criteria for addl review by staff.
PELTIER, I. A. Light Water Reactors Branch 1. 78/11/01. 37pp. 94008:087.

7811130258 Notifies DBS of forthcoming meeting w/representatives from Mark 2 Owner's Group on 781115 at Bethesda, MD, to discuss LOCA/BRV submerged structure drag loads for lead plants.
ANDERSON, C. J. Containment Systems Branch (Pre 790101). 78/11/02. 1p.

7811280097 Forwards Rev#1 Draft Radiological Effluent Tech Spec for PWR's (NUREG-0472) & "Preparation of Radiological Effluent Tech Spec for Nuc Pwr Plants" (NUREG-0133). W/encl AND: 7811270173 & 7811270180.
VASSALLO, D. B. Assistant Director for Light Water Reactors. 78/11/16. 5pp. 03554:274.

7811280044 Responds to 781107 NRC request for new lic appl plans. Has no new lic appl plans between now & 811231.
WOFFORD, A. W. Long Island Lighting Co. 78/11/17. 1p. 02726:333.

7812070152 Notice of seminar on 781208 on new Model Radiological Effluent Tech Specs for nuc pwr plants. Requests advance submission of seminar specific questions. W/encl Seminar Info Sheet, Proposed Agenda & maps.
GRIER, B. H. Region 1, Philadelphia. Office of the Director. 78/11/21. 8pp. 94275:232.

7812080223 Summary of 781019 meeting. Discusses intent on future efforts toward completion of staff review of mark II generic acceptance criteria for lead plants. Expects delay in overall review of Intermediate Prog Tasks. W/encl tasks & criteria.
BOYD, R. B. Division of Project Management. 78/11/24. App. 94137:105.

7812280162 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. G. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94311:352.

7812200134 Notice of 781215 meeting in Bethesda, MD to discuss Shoreham design for containment isolation & leak test.
WILSON, J. N. Light Water Reactors Branch 4. 78/12/08. 3pp. 94159:002.

7812200131 Notice of 781214 meeting in Bethesda MD w/applicant to discuss unresolved issues in facili review.
WILSON, J. N. Light Water Reactors Branch 4 78/12/12. 2pp. 94156.297

7812260126 Forwards Rev#3 to Plant Design Assessment Rpt for BRV & LOCA loads. w/Executive Summary of Mark II Loads Closure
Prog.Final rev will be submitted in June 1979.
NOVARRO, J. P. Long Island Lighting Co 78/12/18. 7pp 94026.001

--7812260129 Rev#3 to Plant Design Assessment Rpt for BRV & LOCA loads.
Provides info on load definition, load combination methods, acceptance criteria & plant capability to accept hydrodynamic loads
* Long Island Lighting Co. 78/12/18 400pp. 94026.00B.

7812260196 Forwards Proprietary Suppl to ENRC-347. "Design Analysis Rpt Rev 3." Document withheld from pub disclosure, pursuant to 2.790
NOVARRO, J. P. Long Island Lighting Co. 78/12/11. 1p

7812260221 Forwards NRC request for addl info contained in SA Varga ltr to AH Hafford dtd 780831, struc assessment of sacrificial shield wall under effects of annulus pressurization & rev response #23, previously submitted.
NOVARRO, J. P. Long Island Lighting Co 78/12/20 19pp 94160.02B.

7812290005 Summary of Meeting on 781213 w/Mark 2 Owners Group to discuss Staff's Mark 2 containment acceptance criteria w/attendance list & meeting handouts encl.
ANDERSON, C. J. Containment Systems Branch (Pre 790101). 78/12/20. 95pp. 94207.239.

F. Security, medical, emergency & fire protection plans

7812140166 Forwards addl info re fire analysis in response to requests from SA Varga to AH Hafford dtd 780627 & 780809 re fire equip & fire hazards
NOVARRO, J. P. Long Island Lighting Co. 78/12/11. 150pp. 9408B.022.

7812140105 Forwards comments on 780808 version of Amended Physical Security Plan for subj facil. Encl withheld from disclosure pursuant to 2.790.
ROSE, D. G. Los Alamos Scientific Laboratory. 78/12/12. 1p.

G. Adjudicatory correspondence

7810160201 Motion in opposition to Intervenor BUCO's Motion of 780919 seeking an indefinite amount of time to respond to applicant LIL's interrogs of 771208. If Motion is granted, a deadline of not later than 781016 for BUCO's answer is sought.
WHITTEMORE, F. C. Hunton & Williams. 78/10/02. 5pp. 94092.346.

7810270301 Advises of status of MHB rept on County contentions in proceeding. MHB proposal will be further delayed due to submission of resolution to be voted on by full legislature.
LIKE, I. Reilly & Like. 78/10/03. 2pp. 06403.356.

7810230130 Notice that J. P. Novarro has replaced T. J. Burke as facili Proj Mgr.
WHITTEMORE, F. C. Hunton & Williams. 78/10/11. 1p. 94165.070.

--7810230133 Notice that J. P. Novarro has replaced T. J. Burke as facili Proj Mgr.
WIFFORD, A. W. Long Island Lighting Co. 78/10/05. 1p. 94165.071.

7810230003 Order Relative to Discovery Schedule. If Suffolk Legis approves funding for MHB on 781024, then Suffolk will file response to interrogs by 781113.
BOWERB, E. B. Atomic Safety and Licensing Board Panel. 78/10/12. 2pp.

7810300218 Affidavit in Opposition. H Blau is atty for Consolidated Intervenor's Oil Heat Inc. of Long Island, Inc. & the North Shore Comm Against Thermal & Nuc Pollution. Affidavit responds to 780818 Motion to Impose Sanctions w/cert of svc.
BLAU, H. L. Affiliation Unknown. 78/10/12. 3pp. 94034.09B.

781020325 Forwards recent memoranda re certain problems experienced in connection w/pipe support base plate design. Staff is determining if these problems have generic implications for oper facili & will keep Lic Bd informed of any new info.
GRAY, J. R. Office of the Executive Legal Director 78/10/19. 1p. 94240.221.

--781020332 Forwards 780628 memo to R Mattson re info on Failures of safety-related pipe supports at Millstone 1 & design deficiencies on similar equip on Shoreham 1. Memo gives Bd notification of pipe support base plate design.
STELLQ, V. Division of Operating Reactors 78/09/28. 2pp. 94240.222

--781020343 Addresses pipe support base plate problem. Discusses review of support redesigns & capability of the anchor bolts to withstand cyclic loadings.
NODMAN, V. S. Engineering Branch (Pre 791030) 78/06/02. 2pp. 94240.22B.

7810200002 On 781024 Suffolk County Legis authorized preparation of rept as requested by staff & applicant. Will attempt to complete rept by 781113.
LIKE, I. Reilly & Like. 78/10/25 1p. 94219.220

781070023 Order Granting NRC Staff Motion of 780818 to Impose Sanctions. Consolidated Intervenor's have frustrated Staff's efforts & have not complied w/Bd orders. Staff's motion for dismissal of Intervenor's Contention 7 is granted.
BOWERB, E. B. Atomic Safety and Licensing Board Panel. 78/10/27 2pp. 94037.132.

7810300373 Request by BUCO that applicant LIL produce any & all documents regarding communication between LIL & OE re letter's Read Task Force Rpt Cert of Svc encl.
LIKE, I. Suffolk County, NY. 78/10/30. 3pp. 94116.360.

7810200008 Forwards NRC & Appeal Bd decisions re subj facil, dealing w/ treatment of issues relevant to issuance of 10CFR70 lic to store unirradiat nuc fuel assemblies at facil under constr prior to issuance of oper lic w/encl 1976 NRC Decisions.
HOEFLING, R. K. Office of the Executive Legal Director 78/11/03 26pp. 94215.230

7810200022 Lic appl has been placed in the local PDR. Staff expects to complete review & issue Part 70 lic to store new fuel at site.
HOEFLING, R. K. Office of the Executive Legal Director 78/11/03 1p. 94215.28B

781210012 Requests extension of time from 781113 to 781130 to respond to Bd's "Order Relative to a Discovery Schedule" directing Suffolk County to file responses to interrogs. Delay due to lack of funding for county consultants. MHB Tech Assoc.
LIKE, I. Reilly & Like. 78/11/10. 1p 94339.259

7812100281 Applicant LIL's Reply to Intervenor Suffolk County's Request 2 for production of documents. LIL objects to request on basis that all documents sought are trial preparation matls & that LIL has not satisfied 10CFR2.740(b)(2).
WHITTEMORE, F. C. Hunton & Williams. 78/11/17. 2pp. 94203.237.

7812210471 Comments on 2 interrogatories by Suffolk County answering Applicants' Second Interrogatories of 781026 re why Criterion 3 mandates tests for suitability of matl selection design & bases for higher source terms for accidents.
LIKE, I. Reilly & Like. 78/11/21. 2PP 94293.35B

7812140026 Forwards rev Section 3.7 of FEB dtd Oct 1977, NUREG-0285
HOEFLING, R. K. Office of the Executive Legal Director. 78/11/28. 9pp. 94127.191.

7812140342 Recipients may attend any pub hearing on subj facil, as stated in encl 780628 Fed Register Notice, & will be routinely placed on distrib list for relevant meeting notices & summaries.
HOEFLING, R. K. Office of the Executive Legal Director. 78/11/28. 2pp. 03537.165.

7812260322 Motion by Intervenor Suffolk County to compel applicant LIL & OE to produce documents sought by Suffolk County on 781030. Asserts LIL & OE must show that documents are "trial preparation matls." Cert of Svc encl.
LIKE, I. Suffolk County, NY. 78/11/28 5pp. 94160.111.

7812210411 Reviews status of all contentions raised by Intervenor Suffolk County in proceedings re subj facili. Tech bases & supporting documentation for each contention are provided. Cert of Svc encl.
LIKE, I. Suffolk County, NY. 78/11/30. 145pp. 94014.012.

7812270042 NRC Staff Motion for an Extension of Time from 781211 to 790112 w/in which to file a motion to compel responsive answers to its interrogs. Cert of Svc encl.
HOEFLING, R. K. Office of the Executive Legal Director. 78/12/08. 5pp. 94160.219.

7812210297 Grants NRC Staff's Motion for extension of time until 790112 to file a motion to compel Suffolk County to provide responsible answers to interrogatories submitted to Suffolk County on 780513
BOWERS, E. S. Atomic Safety and Licensing Board Panel 78/12/12
2pp 94101:357

7812280333 Applicant's Answer to SC's Motion to Compel Subj. util urges Suffolk County's motion be denied. Showing request based on false premises is one of the reasons for urging denial. Cert of Svc encl
WHITTEMORE, F. C. Hutton & Williams 78/12/13 6pp 03559:146.

7811210110 Intervenor SUCO's suppl response to applicant LIL's second set of interrogatories re inclusion of credible large accidents, containment sys design verification & transient condition design verification. Cert of Svc encl
LIKE, I. Suffolk County, NY 78/10/26 3pp. 94482:167

W. Utility Final Safety Analysis Report (FSAR) & amends

7810200091 Notice of Svc of Amend #29 to Lic Appl. Consisting of FSAR Rev #13
MCCAFFREY, B. R. Long Island Lighting Co. 78/10/12 1p. 94367:091.

7812260136 Forwards Amend#30 to Lic appl for subj facil. consisting of Rev#14 to FSAR Rev contains analysis of pipe failure outside containment for both high & moderate energy systems. Corrections to FSAR also included
WOFFORD, A. W. Long Island Lighting Co. 78/12/18. 2pp. 94141:001.

--7812260139 Amend#30 to lic appl for subj facil. consisting of Rev#14 to FSAR
• Long Island Lighting Co. 78/12/18. 300pp. 94141:003.

D. Advisory Committee on Reactor Safeguards reports & correspondence

7811240157 Notice of 781128-30 meeting in San Francisco w/ACRS Fluid Dynamic Subcommittee re Mark II LOCA & SRV pool dynamic loads & load combinations.
ANDERSON, C. J. Containment Systems Branch (Pre 790101). 78/11/13. 3pp. 94456:261.

--7811240161 Agenda for 781128-30 ACRS meeting in San Francisco of Fluid Hydraulic Dynamic Effects Subcomm re Mark II LOCA & SRV pool dynamic loads & load combinations.
ANDERSON, C. J. Containment Systems Branch (Pre 790101). 78/11/13. 3pp. 94456:264

G. Inspection reports, IE Bulletins & correspondence

7810160255 Forwards IE Bulletin#78-12: "Atypical Weld Material in Reactor Pressure Vessel Welds" requesting action w/in 60 days & list of IE Bulletin issued in 1978 (see ANO 7810040253)
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/09/29. 6pp. 94007:013.

7811300303 Forwards IE Inspec Rept#50-322/78-14 on 780913-13 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/10. 2pp.

--7811300306 IE Inspec Rept#50-322/78-14 on 780913-15 during which no items of noncompliance were noted. Major areas inspected Incl: Admin controls, Sched for completion of sys & tests, status of procedure completion & facil inspec.
SHEDLOSKY, J. T., BRIGGS, L. E. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/10. 3pp.

7810180074 Forwards re: to Presvc Inspec Prog Plan for subj facil: Rev#3 for ultrasonic examination procedures for piping welds & Rev#3 for ultrasonic examination procedures for closure head welds.
NOVARRO, J. P. Long Island Lighting Co. 78/10/11. 7pp. 94421:264.

7811060195 Forwards IE Circular#78-17. (See ANO: 7810230221, Docket #30-133, 78013.)
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/10/13. 1p. 94489:176.

7812120022 Forwards IE Insp Rept 50-322/78-15 on 780926-29 & notice of violation.
CARLSON, R. T. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/10/17. 3pp. 94277:323.

--7812120024 Notice of Violation from insp on 780926-29.
• Region 1, Philadelphia, Office of the Director. 78/10/17. 1p.

--7812120026 IE Insp Rept 50-322/78-15 on 780926-29 Noncompliance noted: Failure to use qualified procedure for welding pipe support.
TOTI, A. D. Region 1, Philadelphia, Office of the Director.
FABIANO, A. N., MCGAUGHY, R. W. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/10/17. 10pp. 94277:327.

7811140229 Ack receipt of 781018 ltr informing NRC of steps taken to correct violations noted during Inspec#50-322/78-12.
CARLSON, R. T. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/11/02. 1p. 94400:070.

--7811140234 Responds to 780830 NRC ltr re violations noted in Inspec Rept#50-322/78-12. Corrective actions: weld technique sheet issued & slip-on flange welds to be inspected
WOFFORD, A. W. Long Island Lighting Co. 78/10/18. 3pp. 94400:071.

--7811140239 Forwards IE Inspec Rept#50-322/78-12 on 780808-11 & Notice of Violation.
CARLSON, R. T. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/08/30. 2pp. 94400:074.

--7811140243 Notice of Violation from Inspec on 780808-11.
CARLSON, R. T. Region 1, Philadelphia, Office of the Director. 78/08/30. 2pp. 94400:076.

--7811140249 IE Inspec Rept#50-322/78-12 on 780808-11 during which 2 items of noncompliance were noted: single-bevel-groove weld joints for pipe restraints were 30 degrees, pipe spool slip-on flange less than quarter-inch.
TOTI, A. D. Region 1, Philadelphia, Office of the Director.
DURR, J. P. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/08/30. 9pp. 94400:078.

7811290188 Forwards IE Circular #78-18, "UL Fire Test." w/encl AND:
781130002.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/06. 1p. 94239:219.

7812130169 Forwards IE Bulletin#78-12A, suppl to IE Bulletin#78-12. w/encl AND: 7811300035.
ORIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/24. 1p. 94212:257.

7812290254 Ack receipt of 781120 ltr informing NRC of steps taken to correct violations noted during Inspec#50-322/78-12.
CARLSON, R. T. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/12/04. 1p. 94191:298.

--7812290258 Responds to 780830 NRC ltr re violations noted in Inspec Rept#50-322/78-12-01. Corrective actions: eval of sampling Inspec of undersized welds on pipe spool slip-on flanges indicate defects on class 150 & 301. Repairs will be made.
WOFFORD, A. W. Long Island Lighting Co. 78/11/20. 1p. 94191:299.

7812270469 Ack receipt of 781124 ltr informing NRC of steps taken to correct violations noted during Inspec#50-322/78-15.
CARLSON, R. T. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/12/06. 1p. 94016:001.

--7812270478 Responds to 781017 NRC ltr re violations noted in Inspec Rept#50-322/78-15. Corrective actions: tubular pipe supports having Blasted Tee Joints reviewed & those having angle less than 60 degree identified.
WOFFORD, A. W. Long Island Lighting Co. 78/11/24. 2pp. 94016:002.

B. Reportable occurrences, LERs & related correspondence

7810270190 Repts deficiency w/miscellaneous elec fittings used in the installation of cable tray & conduit supplied by vendor not listed in field use spec. No corrective action required.
NOVARRO, J. P. Long Island Lighting Co. 78/10/10. 3pp. 94054:237.

7811150172 Ack receipt of 781010 ltr re cable tray & conduit support fittings certifications. Rept will be reviewed & evaluated & util will be contacted if further info is required.
CARLSON, R. T. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/11/01. 1p. 94242:346.

7812070110 Ack receipt of 781103 final rept re pipe break outside containment.
CARLSON, R. T. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/11/21. 1p. 94271:191.

--7812070115 Final Deficiency rept on Pipe Break Outside Containment. B&W Computer prog resulted in nonconservative temp predictions. Corrective action: new computer model & environ analysis of temp conditions. Equip eval is in progress.
NOVARRO, J. P. Long Island Lighting Co. 78/11/03. 4pp. 94271:192.

7812260211 Rept of deficiency in Bailey Controls pur supplies installed in 10 Category I appls. principally HVAC analog instrumentation control loops. All potentially defective pur supplies will be replaced.
NOVARRO, J. P. Long Island Lighting Co. 78/12/11. 2pp. 94160:175.

7812260215 Deficiency rept on installation of socket weld fittings on Category I schedule 160 small bore pipe. All fillet welds for socket weld fitting attachments will be inspected for proper fillet leg length.
NOVARRO, J. P. Long Island Lighting Co. 78/12/11. 4pp. 94162:094.

DOCKET 50-325 DIABLO CANYON NUCLEAR POWER PLANT, UNIT 2

A. Application/construction stage documents & correspondence

7811210113 Forwards 781107 ltr to Chairman Hendrie re ACRB review of appl for permits to oper subj facil.
STOLZ, J. F. Light Water Reactors Branch 1. 78/11/14. 3pp. 94482:172.

7812010010 Forwards staff eval of probabilistic seismic risk assessment covering PGE studies on probabilities of earthquakes & resulting ground acceleration at site, & probabilities of various consequences.
STOLZ, J. F. Light Water Reactors Branch 1. 78/11/21. 3pp. 94409:128.

--7812010014 Discusses PGE studies in 1977-78 on probabilistic eval of earthquake hazard. Various assumptions are questioned.
STEPP, J. C. Geosciences Branch. 78/05/08. 4pp. 94409:131.

--7812010015 Forwards staff eval of Amend 52 to lic appl re Risk to Pub from Seismic Events.
BUHL, A. R. Probabilistic Analysis Branch (Pre 791030). 78/09/08. 9pp. 94409:135.

--7812010019 Clarifies certain points of eval of analysis of risk to pub from seismic events contained in 780908 memo. Covers probability of Core meltdown, & earthquake probabilities.
BUHL, A. R. Probabilistic Analysis Branch (Pre 791030). 78/11/06. 2pp. 94409:144.

7812210161 Forwards 8 requests for exemption from ASME Code Section 11 pump & valve testing requirements. Requests 1 thru 4 are continuations of attachments 7 & 9 to 771010 PGE ltr re compliance w/Section 50.55a(g), 10CFR50.
CRANE, P. A. Pacific Gas & Electric Co. 78/12/06. 10pp. 94276:343.

7812210200 Seismic test procedure for 125 volt DC switchgear, distribution panel & mold case circuit breakers.
PATTERSON, H., QOAD, L. F., SHIPWAY, Q. D. Pacific Gas & Electric Co. 78/11/28. 34pp. 94279:031.

7810140114 Forwards matl in support of oper lic appl re environ qualification of equip. Requests ack of receipt of Matl.
CRANE, P. A. Pacific Gas & Electric Co. 78/09/21. 16pp. 94421:081.

7810130058 Forwards responses to informal questions posed by 780804 NRC memo on seismic qualifications. Submission is nonproprietary version.
CRANE, P. A. Pacific Gas & Electric Co. 78/09/22. 64pp. 94081:184.

7810190071 In response to 780321 NRC request for addl info on containment purging, forwards answers to questions, draft Tech Specs & rept on "Analysis of Off-Site Exposures due to LOCA coincident w/Containment Purging."
CRANE, P. A. Pacific Gas & Electric Co. 78/09/27. 106pp. 94323:001.

7810170179 Forwards response to 780728 ltr re reactor vessel matl properties noncompliance w/10CFR50, Appendix G, fracture toughness requirements, & 10CFR50, Appendix H, reactor vessel matl surveillance prog requirements.
CRANE, P. A. Pacific Gas & Electric Co. 78/10/02. 8pp. 94270:073.

7810310226 Forwards responses to 780728 NRC ltr re reactor vessel matl properties noncompliance w/10CFR50, Appendix G, fracture toughness requirements. Requests ack of receipt.
CRANE, P. A. Pacific Gas & Electric Co. 78/10/02. 8pp. 94090:339.

7810170221 Submits info re "degraded grid voltage" as result of discussions w/Instrumentation & Control Sys Branch reviewer on 780929 as suppl to previous submittals on second level under/over voltage protec. Design is acceptable by ICSB rev.
CRANE, P. A. Pacific Gas & Electric Co. 78/10/04. 1p. 94236:165.

7810230038 Ack receipt of 780906 ltr re subj facil. Provides info on seismic assessment of site, decomm estimate & waste mgt.
DIFCKR, W. J. Office of the Executive Director for Operations. 78/10/06. 3pp. 94052:333.

--7810230042 Requests addl info re issuance of constr permit.
BURTON, P. House of Rep. 78/09/06. 1p. 94052:338.

7811290294 Trip rept: plant visit & meeting w/applicant on 780905 to discuss remaining open issues re subj facil. W/summary of remaining unresolved issues.
KUD, P. T. Structural Engineering Branch. 78/10/06. 4pp. 94239:177.

7810170205 Attached Table 6.3-10, which appeared in Amend 67, has been changed as indicated to reflect Staff's concerns re added valves position & function. Change to be documented in future amend. Five copies of submittal sent to D. Allison.
CRANE, P. A. Pacific Gas & Electric Co. 78/10/10. 2pp. 94238:333.

7810160118 Forwards amend fee per 780811 & 23 requests for extension of const completion dates of CPPR-69 & CPPR-39.
CRANE, P. A. Pacific Gas & Electric Co. 78/10/11. 2pp. 94008:164.

7810170229 Summarizes discussion w/NRC, PGE, & GE on 780830 in Bethesda, MD, re electrical penetration qualification.
CRANE, P. A. Pacific Gas & Electric Co. 78/10/11. 4pp. 94236:177.

7810250206 Responds to requests of 780811 & 780823 by issuing Order extending constr completion dates for subj facil.
STOLZ, J. F. Light Water Reactors Branch 1. 78/10/13. 3pp. 94392:203.

--7810250212 Order extending constr completion dates for subj facil 790430 for Unit 1 & 781031 for Unit 2 Eval of Request for Extension of Constr Permit encl.
BOYD, R. B. Division of Project Management. 78/10/13. 2pp. 94372:356.

7810250219 Forwards seismic design audits & lists equip qualified for severe environ.
ALLISON, D. P. Light Water Reactors Branch 1. 78/10/16. 34pp. 94058:112.

7811080257 Forwards gen repair prog for arc strikes & weld spatter ASME Code Class 1, 2 & 3 pressure boundaries, in accordance w/ requirements of ASME Code section XI, summer 1978 addendum.
W/O encl.
CRANE, P. A. Pacific Gas & Electric Co. 78/10/16. 2pp.

7810260099 Summary of 781012 meeting re seismic qual of elec equip. Reviewed test results of elec equip. Did not discuss review of mech aspects of test involving type & severity of shaking. W/encl list of attendees & results of discussion.
ALLISON, D. P. Light Water Reactors Branch 1. 78/10/18. 13pp. 94367:309.

7811010381 Summarizes 781005 meeting re subj facil review sched. Ob of meeting: to discuss status of numerous specific items under review & to identify items of most concern re meeting the schedule. List of attendees encl.
ALLISON, D. P. Light Water Reactors Branch 1. 78/10/18. 15pp. 94388:149.

7811020029 Summary of 781020 meeting re seismic qual of subj facil elec equip. 15 items found acceptable & 8 items needed mod. All items pertain to Instru/Control Sys. W/encl Branch Review of NRB scope equip w/in Westinghouse qual prog.
ALLISON, D. P. Light Water Reactors Branch 1. 78/10/25. 9pp. 94374:117.

7811040021 References comments in matter of cross-examination of consultants to ACRB at licensing proc be decided as soon as possible. Comm will consider the matter on a generic basis since Bd agrees that it is a top-level policy question.
BOWERS, E. B. Atomic Safety and Licensing Board Panel. 78/10/27. 94422:319.

7811080040 Ack receipt of 781020 NRC ltr. Repeats opposition to cross examination procedures of ACRB consultants in licensing proc.
CRANE, P. A. Pacific Gas & Electric Co. 78/10/27. 1p. 94398:114.

7811080005 Forwards 781024 Gen Elec response to 780830 NRC question re subj facil elec penetrations qual. Some info is new.
ALLISON, D. P. Light Water Reactors Branch 1. 78/10/30. 3pp. 94397:343.

--7811080008 Responds to questions raised at 780830 meeting w/NRC re qualification of elec penetration assemblies for subj facil. Addresses justification of qual by similarity, verification of repaired assemblies & GE knowledge of repair.
CLEVELAND, J. W. General Electric Co. 78/10/16. 14pp. 94397:346.

7811070271 Advises that cannister-type penetrations meet environ qual requirements consistent w/those found acceptable for Three Mile Island. Also supplies data re main line steam break analysis & use of diesel generator under test.
CRANE, P. A. Pacific Gas & Electric Co. 78/11/02. 2pp. 94040:284.

7811200366 Forwards GE draft ltr re testing of penetrations-adequacy of repair. GE tested a leaking-unrepaired penetration to test epoxy seal & concluded that a repaired penetration should not act differently.
LATINS, O. Plant Systems Branch (Pre 791030). 78/11/09. 1p. 94419:211.

--7811200384 Responds to 780830 NRC ltr questioning qual of elec penetration assemblies supplied to subj facil. Incl attachment on "Comparison of Cannister & 100 Series Penetration Designs".
CLEVELAND, J. W. General Electric Co. 78/10/26. 13pp. 94419:212.

--7811200392 Final prototype test rept "Millstone 2 Elec Penetration Post-LOCA Prototype Test". Low voltage pur & control modules were subjected to 145F degree, 5 psig, 100% RH environ for 32 weeks. Leakage rate was less than 1:10 to 6 pur cc H₂/sec.
LURIA, N. Q. General Electric Co. 78/11/09. 4pp.

7811210234 Forwards seismic qual summary forms for all HE valves identified in Tables 7-7 & 7-7A of "Hosgri Rept."
ANDERSON, T. M. Westinghouse Electric Corp. 78/11/10. 33pp. 94487:149.

7811210318 Presents ACRS conclusion from 781102-04 meeting that Dr Lucio's concerns re seismic eval bases for subj facilis were considered in findings & recommendations in 780714 ACRS rept.
LAHROSKI, B. ACRS - Advisory Committee on Reactor Safeguards. 78/11/07. 1p. 94482:175.

7812050083 Forwards Rev#1 Draft Radiological Effluent Tech Spec for Pur's (NUREG-0472) & "Preparation of Radiological Effluent Tech Spec for Nuc Pur Plants" (NUREG-0133). W/o encl AND:
7811270173 & 7811270180
VABBALL, D. B. Assistant Director for Light Water Reactors. 78/11/16. 6pp. 94336:164.

7811220181 Forwards Amend#72 & Amend#73 to Oper Lic appl.
CRANE, P. A. Pacific Gas & Electric Co. 78/11/20. 3pp. 94387:001.

--7811220182 Amend#72 & Amend#73 to Oper Lic appl w/addl matl for Hosgri Seismic Eval & FSAR, respectively.
BOICKLEFORD, B. Pacific Gas & Electric Co. 78/11/15. 286pp. 94387:004.

7811300364 Informs POE that NRC has contracted w/Mountain West Res Inc to undertake a series of post-licensing studies of nuc pur stations. Studies will analyze socioeconomic impacts which occurred during constr & post-constr periods of each plant.
DEVOUNO, R. C. Division of Site Safety & Environmental Analysis. 78/11/20. 2pp. 94116:299.

7811300079 Forwards log of contacts from 780419-780505 by resident POLE engr in Bethesda for lmission w/NRC.
ALLISON, D. P. Light Water Reactors Branch 1. 78/11/21. 12pp.

7812210229 Forwards seismic test procedure for subj facil 4160V Class 1E Switchgear Bus Undervoltage Relays.
CRANE, P. A. Pacific Gas & Electric Co. 78/11/28. 1p. 94279:129.

--7812210235 Seismic test procedure for 4160V Class 1E Switchgear, Undervoltage Relays, demonstrates relays performance while being switched on & off during the shake.
HERBST, J. E., NIELSEN, D., COLWELL, J. W. Pacific Gas & Electric Co. 78/11/27. 31pp. 94279:130.

7812120208 Requests addl info re means of accomplishing quality inspect at subj facil.
STOLZ, J. F. Light Water Reactors Branch 1. 78/11/30. 3pp. 94276:061.

7812210197 Forwards seismic test procedure for subj facil diesel generator control cabinet.
CRANE, P. A. Pacific Gas & Electric Co. 78/11/30. 1p. 94279:068.

--7812210209 Seismic test procedure for diesel generator control cabinet. Tests will demonstrate that relays are capable of changing state during a seismic event if necessary.
HERBST, J. E., NIELSEN, D., COLWELL, J. W. Pacific Gas & Electric Co. 78/11/30. 9pp. 94279:069.

7812210223 Forwards seismic test procedure for subj facil local starter LPF36.
CRANE, P. A. Pacific Gas & Electric Co. 78/12/01. 1p. 94279:121.

--7812210225 Seismic test procedure for local starter LPF36. Tests will determine if LPF36 motor contacts main pur contacts change state during a seismic event.
YOUNG, R. A., NIELSEN, D., COLWELL, J. W. Pacific Gas & Electric Co. 78/12/01. 3pp. 94279:122.

7812130389 Forwards 781101 ltr from Wiley Labs re test mounting configurations for seismic qual testing of elec equip. This memo places matl in file & the PDR & informs parties of info availability.
ALLISON, D. P. Light Water Reactors Branch 1. 78/12/06. 3pp. 94292:231.

--7812130390 Clarifies questions raised at 781020 meeting re test prog for elec equip.
SHIPWAY, O. D. Affiliation Unknown. 78/11/01. 2pp. 94292:234.

7812130033 Forwards informal info "Investigation of A Seiche due to Design Spectra at Raw Water Storage Reservoir, Subj Facil Nuc Proj" by CE Cecilio discussing potential for seicheing in raw water reservoirs.
ALLISON, D. P. Light Water Reactors Branch 1. 78/12/06. 20pp. 94210:030.

7812210193 Forwards seismic test procedure for 125 VDC switchgear, distribution panel & mold case circuit breakers & test rept entitled "Seismic Testing of Safety-Related Elec Equip for POE."
CRANE, P. A. Pacific Gas & Electric Co. 78/12/06. 4pp. 94279:027.

7812280095 Emphasizes importance of submitting accurate & complete info to NRC by licensee & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. Q. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 03535:311.

7812190143 Forwards rept presenting results of a large-break loss-of-coolant (LOCA) accident. New analysis incorp a correction to clad-water heat of reaction calculation & recent ECCS eval model improvements.
CRANE, P. A. Pacific Gas & Electric Co. 78/12/07. 78pp. 94376:031.

7812190394 Forwards request for addl info re bolted connections in linear supports of subj facil support base plates. Requests response sched.
STOLZ, J. F. Light Water Reactors Branch 1. 78/12/08. 5pp. 94337:275.

7812260217 Requests addl time to dev draft Appendix I Tech Specs. Proposes submittal by 790216.
CRANE, P. A. Pacific Gas & Electric Co. 78/12/14. 1p. 94162:098.

E. NRC Safety Evaluation Report (SER), supp & correspondence

7812070056 Forwards Suppl 8 to SER for subj facil.
VABBALL, D. B. Assistant Director for Light Water Reactors. 78/11/15. 1p. 94462:032.

--7812070063 Forwards Suppl#8 to SER for subj facil.
STOLZ, J. F. Light Water Reactors Branch 1. 78/11/14. 3pp. 94462:033.

--7812070067 Suppl 8 to facility SER.
* Division of Project Management. 78/11/15. 110pp. 94462:001.

7812050155 Forwards addl info to address Section 7.8, open item 3 of SER Suppl 7, re environ qual of Fan Cooler Pur Cables. Attachment #1 on Specs, Tests & Installation of Wires & Cables at subj facil is not encl.
CRANE, P. A. Pacific Gas & Electric Co. 78/11/27. 12pp. 94335:074.

F. Security, medical, emergency & fire protection plans

7812190307 Summary of 780214-15 meeting w/util re subj facil fire protec prog. All mods will be made prior to fuel loading.
HEARN, P. C. Auxiliary Systems Branch. 78/03/29. 33pp. 94181:306.

7811210164 Forwards rev responses to NRC fire Protec Review questions 5, 6, 9, 21, 23, 24, 26-29, 45, 46 & 49-51 & rev rept "Supplementary Info for Fire Protec Review." Review question items incl: const design, fire protec valves & automatic sprinklers. CRANE, P. A. Pacific Gas & Electric Co. 78/11/13. 54pp. 94485:294.

--7811210169 "Suppl Info for Fire Protection Review."
* Pacific Gas & Electric Co. 78/11/13. 13Bpp. 94486:001.

7811290400 Forwards suppl detailed info related to subj facila seismic design audits & the fire protection review. W/31 drawings available in Central Files. ALLISON, D. P. Light Water Reactors Branch 1. 78/11/21. 1029pp. 94182:001.

7812290102 Review of Fire Protec safety eval rept for subj facil has been completed. Concurs in NRC findings & in NRC conclusion that, upon implementation of mods listed in rept, fire protec prog will be acceptable. BEHN, J. D. Gage-Babcock Associates, Inc. 78/11/29. 1p. 94190:116.

0. Adjudicatory correspondence

781100014 No objection to Intervenor's request of 781016 to subpoena Dr Graham for the upcoming evidentiary hearing. TOURTELLOTE, J. Office of the Executive Legal Director. 78/10/27. 1p. 94176:351.

7812010048 Expresses view on gen policy question of subpoenaing ACRB consultants to require their attendance at evidentiary hearings before ABLB. Exceptional circumstances standard should not be limited to direct knowledge witnesses. FLEISCHAKER, D. Center for Law in the Public Interest. 78/11/14. 3pp. 94416:133.

7812010198 Attorney RK Hoefling enters appearance in captioned matter. Cert of Bvc encl. HOEFLING, R. K. Office of the Executive Legal Director. 78/11/09. 3pp. 94409:255.

7812040179 Applicant QOE has until 781205 & NRC Staff until 781211 to respond to intervenor's Petition for directed certification to review ABLB's rejection of DD Comey as an expert witness on security matters. DUFLD, M. E. Atomic Safety and Licensing Appeal Panel. 78/11/21. 2pp. 94457:073.

7812080024 Requests to make appearance statement at 781204 hearing in San Luis Obispo County, CA. RICE, L. Affiliation Unknown. 78/11/27. 1p. 94104:002.

7812110219 Asks whether seismic hearings will begin 781204. Believes facil should not be allowed to op for love of humanity in general. ROSENBERG, H. Affiliation Unknown. 78/11/17. 1p. 94337:353.

7812180037 Forwards "Interpretive Comm Statement on Ameneability to Subpoena of Consultants to ACRB under 10CFR2.720," which now represents the Comm's views & which will be presented for formal vote at next Comm Affirmative Session. KELLEY, J. L. Office of the Executive Legal Director. 78/11/29. 1p. 94130:341.

7810160155 Requests by intervenors for production of documents by NRC staff & applicants & enlargement of time to file interrgs. Also submits interrgs to appl & requests that attached documents be explained. FLEISCHAKER, D., PHILLIPS, J. Center for Law in the Public Interest. 78/09/27. 17pp. 94008:143.

7810190257 Forwards various pleadings of Intervenor (Bconic Shoreline Preservation Conference, San Luis Obispo Mothers for Peace, Ecology Action Club, B. A. Silver, & J. J. Forster) re oper lic. FLEISCHAKER, D., Fleischaker, D. B. 78/09/28. 3pp. 94082:017.

--7810190268 Intervenor (Bconic Shoreline Preservation Conference, etc.), request for oral argument. FLEISCHAKER, D., Fleischaker, D. B., PHILLIPS, J. P., KRISTOVICH, B. Center for Law in the Public Interest. 78/09/28. 3pp. 94052:020.

--7810190267 Intervenor (Bconic Shoreline Preservation Conference, etc.) request to reply to NRC & applicant response to intervenors request for issuance of ABLB subpoenas. FLEISCHAKER, D., Fleischaker, D. B., PHILLIPS, J. P., KRISTOVICH, B. Center for Law in the Public Interest. 78/09/28. 2pp. 94052:023.

--7810190269 Intervenor (Bconic Shoreline Preservation Conference, etc.) request to reply to NRC & applicant response to intervenors request for issuance of ABLB subpoenas. FLEISCHAKER, D., Fleischaker, D. B., PHILLIPS, J. P., KRISTOVICH, B. Center for Law in the Public Interest. 78/09/28. 32pp. 94052:025.

7810140108 Notice of reconstitution of ABLB re OL proceeding. R Salzman, A Rosenthal & W Johnson will serve on board DUFLD, M. E. Atomic Safety and Licensing Appeal Panel. 78/10/03. 1p.

7811010324 Suppl Memo in support of intervenor BLOM appeal from 780511 & 780903 Orders re qual of security experts. BLOM now seeks direct certification & qual only of D Comey as security expert for discovery purposes. JONES, Y. I., VALENTINE, P. C. San Luis Obispo Mothers for Peace. 78/10/06. 22pp. 94389:275.

7810190126 Grants request by intervenor for extension to 781006 to respond to PQE motion to dismiss security contention. NRC staff is also granted extension to 781006, per their request. BOWERS, E. B. Atomic Safety and Licensing Board Panel. 78/10/10. 2pp. 94414:025.

7810250182 Denies request by Intervenor that Bd subpoena 13 persons as witnesses in evidentiary hearing. Denied because Bd remains unconvinced that circumstances are exceptional & warrant granting the request. BOWERS, E. B. Atomic Safety and Licensing Board Panel. 78/10/10. 6pp. 94392:254.

7810300008 Requests Bd stay issuance of any order on Applicants motion to dismiss security contention until Appeals Bd issues its ruling in response to Intervenor's Motion for direct certification. W/encl cert of svc. VALENTINE, P. C. San Luis Obispo Mothers for Peace. 78/10/10. 4pp. 94034:216.

7810300350 PQ&E response to intervenor BLOM's Petition for direct certification & BLOM's appeal from ABLB Order of 780903. PQ&E asserts that certification is not appropriate. Supporting documentation & Cert of Bvc encl. NORTON, B., MORRISSEY, J. C., CRANE, P. A. Pacific Gas & Electric Co. 78/10/13. 35pp. 94253:279.

7810270294 Intervenor's Request to Subpoena Dr B Graham to testify re contentions that Applicant has failed to conduct thorough investigations of Hosgri fault sys. Cert of Bvc encl. FLEISCHAKER, D., Fleischaker, D. B., PHILLIPS, J. P., KRISTOVICH, B. Affiliation Unknown. 78/10/16. 11pp. 94025:347.

7810300128 Advises Lic Bd of status of 6 independent experts subpoenaed at request of intervenors. FLEISCHAKER, D., Fleischaker, D. B. 78/10/16. 2pp. 94035:143.

7811010318 NRC Staff Answer to Appl Motion to Dismiss Security Contention. Staff suggests the Bd defer on a ruling while Intervenor San Luis Obispo Mothers for Peace awaits ruling on their appeal re the security issue. STAENBERG, M. R. Office of the Executive Legal Director. 78/10/16. 5pp. 94389:265.

7810300082 Informs Bd that Staff will comply w/Intervenor's request for documents & interrgs to the Staff no later than 781023 due to error in mails. There will be the same answering time originally anticipated by parties. TOURTELLOTE, J. Hearings Division. 78/10/17. 2pp. 94035:096.

7810100099 Replies of Subj Util to Intervenor's Interrgs dtd 780927. Resumes of Qual for Safety Hearings & Cert of Bvc encl. CRANE, P. A., NORTON, B., FURBUSH, M. H. Pacific Gas & Electric Co. 78/10/17. 98pp. 94290:008.

7811030314 Forwards subpoena for signature of E Bowers. One will be served upon Dr Stephen Graham; the other 2 copies are for file reference. FLEISCHAKER, D., Fleischaker, D. B. 78/10/23. 1p. 94087:042.

7810600058 Notice of addition of E J Sullivan to list of staff witnesses provided in Rept 197B Davis ltr re radiological health & safety hearings. TOURTELLOTE, J. Office of the Executive Legal Director. 78/10/25. 2pp. 94423:325.

7811030199 "NRC Staff Response to Intervenor's San Luis Obispo Mothers for Peace Petition for Directed Cert & Appeal from Licensing Bd Order of 780903." Urges Intervenor's petition be denied. Cert of Bvc encl. STAENBERG, M. R. Office of the Executive Legal Director. 78/10/26. 10pp. 03553:342.

7811080165 Memorandum & Order granting the petition for directed certification vacating Bd's 780905 order & remanding the cause for immediate further consideration consistent w/this opinion in the oper licensing proc.
DUFLO, M.E. Atomic Safety and Licensing Appeal Panel 78/10/27. 12pp 94405:113.

7811080029 Forwards "Staff Comments on Generic Matter of Cross-Examination of ACRS Consultants in NRC Licensing Proceedings" w/encl Cert of Svc.
TREBY, S.A. Office of the Executive Legal Director. 78/10/30. 18pp. 94398:067

7811280488 Notice that PGE will take depositions of E Silver, J Brune & R Hubbard. Also encl is response of PGE to intervenors' request of 780927 for production of documents. Documents sought are now available for inspec. Cert of Svc encl.
CRANE, P.A. Pacific Gas & Electric Co. 78/10/30. 4pp. 94414:269.

7811070358 Urges ACRS permit cross-examination of consultants. Cross-examination is essential to accurate interpretation of opinion & determination of factual bases of assumption.
VALENTINE, P.C. Valentine, P.C. 78/10/31. 1p. 94043:196.

7811170007 "Reconsideration of Bd's Order of 780905." Petition of San Luis Obispo Mothers For Peace to establish David Comey as an expert witness is denied.
BOWERS, E.B. Atomic Safety and Licensing Board Panel. 78/11/03. 37pp. 94116:104.

7811200042 Evidentiary hearing on 781204 will be held in Avila Beach, CA First 2 days of hearing will be set aside for limited appearance statements of no longer than 3 minutes each. Written statements of any length may be submitted.
BOWERS, E.B. Atomic Safety and Licensing Board Panel. 78/11/07. 2pp. 94215:324.

7812040321 Testimony of N Newmark re earthquake resistance design criteria utilized in constr of subj facili. "Rationale for Development of Design Spectra for Diablo Canyon Reactor Facili" & Cert of Svc encl.
NEWMARK, N.M. N.M. Newmark Consulting Engineering Services. 78/11/15. 75pp. 94122:001.

--7812040324 Testimony of CJ Stepp re subj facili seismic concerns addressed during constr permit & Oper Lic review.
STIEPP, J.C. Geosciences Branch. 78/11/15. 41pp. 94122:076.

--7812040327 "Diablo Canyon Testimony of J Knox & F Rosa re Seismic Qual of Class 1E Equip." discussion of seismic qual eval with criteria in Safety Eval Rept 3.10 & suppl.
ROSA, F. Power Systems Branch. 78/11/15. 12pp. 94122:117.

--7812040330 "Testimony of RB Hofmann" re conservative value for ground acceleration from a 7.50 earthquake on the Hosgri fault.
HOFMANN, R.B. Office of Standards Development, Director. 78/11/15. 22pp. 94122:129.

--7812040334 Testimony of WJ Hall re adequacy of the structural criteria for Unit 2 for an SSE of 0-4 g Found during both reviews (1967-9 & 1975-8) that facili had sufficient resistance to meet seismic hazard.
HALL, W.J. Affiliation Unknown. 78/11/08. 7pp. 94122:181.

--7812040338 Testimony of JR Knight re the seismic design process (definition of risk & design of sufficiently resistant structures) & its relation to the subj facili seismic review.
KNIGHT, J.P. Assistant Director for Engineering. 78/11/15. 56pp. 94122:158.

7812130006 Request for info re hearings on subj facili.
TURNER, A.J. Affiliation Unknown. 78/11/15. 1p. 94307:172.

7812180324 Forwards testimony on behalf of intervenors re Contention 1, Geology & sets forth conclusions re through-going continuity of the San Gregario-Hosgri fault zone. Resume, Study results & Cert of Svc encl.
GRAHAM, S.A. Affiliation Unknown. 78/11/17. 19pp. 94356:299.

7812180309 Petition for directed certification for review of "Reconsideration of Bd's Order of 780905" relating to qual of security expert. Forwards Cert of Svc.
VALENTINE, P.C. San Luis Obispo Mothers For Peace. 78/11/20. 40pp. 94356:190.

7812060191 Memorandum act receipt of intervenor's Petition for Directed Certification. Applicant's response is due 781205: Staff's 781211. Bd will not favor requests to extend time.
DUFLO, M.E. Atomic Safety and Licensing Appeal Panel. 78/11/21. 2pp. 94382:122.

7812130146 Forwards list of publications & rev qualifications sheet omitted from 780927 Staff's response to intervenor's interrog.
KETCHEN, E.G. Office of the Executive Legal Director. 78/11/21. 22pp. 94289:064.

7812080004 Order granting permission to make opening statements pri to limited appearances. Each statement limited to 20 minutes. No change will be made from stated location.
BOWERS, E.B. Atomic Safety and Licensing Board Panel. 78/11/27. 2pp. 94103:314.

7812140346 Forwards list of publications of JF Davine & resume of F. McKown.
KETCHEN, E.G. Office of the Executive Legal Director. 78/11/27. 10pp. 03557:173.

7812140085 Suppl reply of PGE to intervenors' interrogs of 780927. Forwards names & quals of 4 addl witnesses PGE intends to call in the licensing hearing re subj facili. Cert of Svc encl.
CRANE, P.A., NORTON, B., MORRISSEY, J.C. Pacific Gas & Electric Co. 78/11/28. 10pp. 94128:231.

7812140344 Gives notice that E Ketchen enters an appearance on behalf of NRC in proc re subj facili. Cert of Svc encl.
KETCHEN, E.G. Office of the Executive Legal Director. 78/11/28. 03557:168.

7812140373 Confirms 781122 conversation re status of 2 USOB witnesses appearing for NRC. Both witnesses wrote USOB rept which is append C to Suppl 4 of SER & will be at hearing to answer questions.
TOURTELLQITE, J. Hearings Division. 78/11/29. 1p. 03558:118.

7812180027 Forwards memo to subpoena to ACRS consultants entitled "Interpretive Comm Statement on Amenableity to Subpoena of Consultants to ACRS under 10CFR2.720."
BOWERS, E.B. Atomic Safety and Licensing Board Panel. 78/11/30. 4pp. 94130:340.

7812180416 NRC Staff's Response to Petition submitted by intervenor Luis Obispo Mothers For Peace seeking review & reversal of ABLB's upholding of denial of D Comey's quals. NRC urges that intervenor's petition be denied. Cert of Svc encl.
STANBERG, M.R. Office of the Executive Legal Director. 78/12/01. 5pp. 94356:358.

7812210321 "Suppl Reply of Jt Intervenor's" to Applicant's Interrogs 780927. " Cert of Svc encl.
HUBBARD, R.B. MHB Technical Associates. 78/12/01. 4pp. 94407:3

7812270025 Urges approval of plant oper as soon as possible, since t elec pur is vitally needed.
RUSSELL, H.K. Affiliation Unknown. 78/12/05. 1p. 94159:239.

7812140273 Forwards Amend#1 to Constr Permit#CPPR-39 & Amend#4 to Constr Permit#CPPR-69 w/related correspondence.
GOLDBERG, J.R. Office of the Executive Legal Director. 78/12/07. 1p. 03557:289.

--7812140275 Forwards Amend#1 to constr permit#CPPR-39 & Amend#4 to constr permit#CPPR-69 & Fed Register Notice.
BOYD, R.B. Division of Project Management. 78/12/06. 4pp. 03557:290.

--7812140278 Amend#1 to Constr Permit#CPPR-39, adding antitrust cond to Paragraph 2.D.
BOYD, R.B. Division of Project Management. 78/12/06. 10pp. 03557:294.

--7812140279 Amend#4 to Constr Permit#CPPR-69, adding antitrust cond to Paragraph 2.D.
BOYD, R.B. Division of Project Management. 78/12/06. 10pp. 03557:304.

--7812140283 Notice of Issuance of Amend#1 to Constr Permit#CPPR-39 Amend#4 to Permit#CPPR-69, w/encl Eval of Amend by LWR#1.
BYDL, J.F. Light Water Reactors Branch 1. 78/12/06. 5pp. 03557:314.

H. General correspondence

7812180040 Responds to 781030 ltr re seismic design, conservation to w/regard to elec load projections & notice of hearing.
BALLARD, R.L. Environmental Projects Branch 1. 78/11/30. 2pp. 94408:149.

781150150 Expresses concern over role of nuc energy in US energy prog, suggests more res be directed towards solar energy.
Deplores Liquid Metal Breeder Reactor & the idea of siting a plant on the James River near her home.
NELSON, E. S. Affiliation Unknown. 78/10/21. 3pp. 94272:361

7811210312 Ack receipt of 780918 ltr & environ impact statement. Request date & location of public hearing on subj facil & submits questions of concern re subj facil.
MURPHY, E. Affiliation Unknown. 78/10/30. 1p. 94488:090

7812180289 Forwards for Dept of Energy Response. A memo re an inquiry by G Burns into who inspects the structural steel of the subj facil.
LAQMARBINDO, R. J. House of Rep. 78/11/22. 2pp. 94365:142.

7812270059 Strongly recommends putting subj facil into oper as soon as possible, since the energy is necessary.
GEORGE, J. Affiliation Unknown. 78/12/07. 1p. 94160:291.

781210413 Believes nuc pur cannot be made safe & that constr of subj facil should be stopped.
STAHL, R. F. Affiliation Unknown. 78/11/13. 1p. 94483:126.

K. Utility Final Safety Analysis Report (FSAR) & amends

781140126 Forwards copy of Amends 70 & 71 to oper lic appl for subj facils. Amends incl addl matl for Hosgri eval & FSAR. Cert of Bvc encl.
CRANE, P. A. Pacific Gas & Electric Co. 78/11/09. 2pp.

--781140145 Amends 70 & 71 to Oper Lic appl for subj facils. Amends incl addl matl for Hosgri Eval & FSAR.
SHACKLEFORD, B. Pacific Gas & Electric Co. 78/11/09. 400pp.

O. Advisory Committee on Reactor Safeguards reports & correspondence

7812150050 Comments transmitted in 780922 ltr from ACRS consultant E Luco re seismic eval bases were discussed at 781102-04 ACRS meeting. These coments were considered in the findings & recommendations in ACRS rept of 780714.
LAWROSKI, B. ACRS - Advisory Committee on Reactor Safeguards. 78/11/07. 1p. 94210:233.

7811010382 Forwards ACRS consultant rept subj facil seismic design for info.
ALLISON, D. P. Light Water Reactors Branch I. 78/10/24. 3pp. 94388:164.

--7811010384 Forwards comments by Dr Luco re seismic design basis for subj facil.
MCKINLEY, J. C. ACRS - Advisory Committee on Reactor Safeguards. 78/10/13. 1p. 94388:167.

--7811010388 Comments on 780614 & 780707 acrs meetings re use of effective peak acceleration & underestimation of subj facil response to offshore fault resulting from use of large reduction for tau-effect & small torsion excitation.
LUCCO, J. E. California, Univ. of. San Diego. 78/09/22. 3pp. 94388:168.

G. Inspection reports, IE Bulletins & correspondence

7810230316 Forwards IE Circular#78-17. (See AND: 7810230221, Docket 30-313, 781013)
ENGLKEN, R. H. Region 5, San Francisco, Office of the Director. 78/10/13. 1p. 94166:347.

7811220263 Forwards IE Inspec Repts#50-275/78-14 & #50-323/78-14 on 780901-30 during which no items of noncompliance were noted.
CREWB, J. L. Region 5, San Francisco, Reactor Operations Nuclear Support Branch. 78/10/17. 2pp. 94273:355.

--7811220267 IE Inspec Repts#50-275/78-14 & #50-323/78-14 on 780901-30 during which no items of noncompliance were noted. Major areas inspected included: preoper testing, fuel storage, followup on licensee event & IE Bulletin-Circular, testing.
STERNBERG, D. M. Region 5, San Francisco, Reactor Operations Nuclear Support Branch. YOUNG, T., STERNBERG, D. H. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/10/14. 0pp. 94273:357.

7811070111 Responds to 781006 NRC ltr re violation noted in inspec. Corrective actions: circuitry is being placed in conformance w/FSAR paragraph 3.3, & implementing instruc will be issued by 781118.
CRANE, P. A. Pacific Gas & Electric Co. 78/11/02. 2pp. 94043:348.

781150007 Forwards IE Circular 78-18.
ENGLKEN, R. H. Region 5, San Francisco, Office of the Director. 78/11/06. 1p. 94112:301.

7812150001 Forwards IE Inspec Repts#50-275/78-17 & #50-323/78-16 on 781001-31 during which no items of noncompliance were noted.
CREWB, J. L. Region 5, San Francisco, Reactor Operations Nuclear Support Branch. 78/11/16. 2pp. 94209:190.

--7812150004 IE Inspec Repts#50-275/78-17 & #50-323/78-16 on 781001-31 during which no items of noncompliance were noted. Major areas inspected incl: preoper testing, fire protect, plant tour, problem repts, IE bulletin followup & design changes.
YOUNG, T., STERNBERG, D. H. Region 5, San Francisco, Reactor Operations Nuclear Support Branch. 78/11/15. 4pp. 94209:192

7811300086 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12. W/encl AND: 7811300055.
ENGLKEN, R. H. Region 5, San Francisco, Office of the Director. 78/11/24. 1p.

7812290033 Forwards IE Bulletin 78-14.
ENGLKEN, R. H. Region 5, San Francisco, Office of the Director. 78/12/19. 1p. 06911:001.

B. Reportable occurrences, LERs & related correspondence

7812210386 Forwards addl info re RD defect in Unit 2 NEMA size#2 motor controllers Unit 1 inspec complete, inspec & replacement of kick-out springs for Unit 2 will be completed prior to functional test.
WORTHINGTON, J. D. Pacific Gas & Electric Co. 78/12/07. 1p. 94015:094.

T. Hearing transcripts on non-antitrust matters

7812070227 Transcript of PGE testimony on 781204. Testimony of RV Bettinger, DM Hamilton, RM Jahns & SW Smith encl.
* Atomic Safety and Licensing Board Panel. 78/11/20. 239pp. 94188:016.

--7812070237 Testimony of PGE on 781204.
* Atomic Safety and Licensing Board Panel. 78/11/20. 200pp. 94188:278.

--7812070242 Testimony of PGE on 781204.
* Atomic Safety and Licensing Board Panel. 78/11/20. 107pp. 94189:162.

7812150056 Transcripts of 781204 hearings re subj facils. Pp 3758-3997.
BOWERS, E., MARTIN, W. E., BRIGHT, O. O. Atomic Safety and Licensing Board Panel. 78/12/04. 239pp. 94211:030.

7812130064 Transcript of 781205 hearing re subj facil. Limited Appearance Statements. In Avila Beach, CA. Pp 3398-4249.
BOWERS, E., MARTIN, W. E., BRIGHT, O. O. Atomic Safety and Licensing Board Panel. 78/12/05. 251pp. 94296:012.

7812200344 Transcript of hearing in Avila Beach, CA on 781207. Appearances on behalf of applicant: S Norton, MH Furbush, & P Cranston on behalf of joint intervenors: DB Fleischaker, S Kristovitch & for NRC: E Ketchen. Pp 4486-4679.
BOWERS, E., MARTIN, W. E., BRIGHT, O. O. Atomic Safety and Licensing Board Panel. 78/12/07. 193pp. 94124:188.

7812200338 Transcript of hearing in Avila Beach, CA on 781208. Appearance on behalf of Pacific Gas & Elec: S Norton, MH Furbush, P Crane, on behalf of joint intervenors: DB Fleischaker, S Kristovitch & for NRC: M Stenberg. Pp 4679-4862.
BOWERS, E., MARTIN, W. E., BRIGHT, O. O. Atomic Safety and Licensing Board Panel. 78/12/08. 183pp. 94124:003.

7812270346 Transcript of hearing re subj facil at Avila Beach, CA on 781213. Pp 5309-5306.
BOWERS, E., Atomic Safety and Licensing Board Panel. 78/12/13. 197pp. 94229:024.

7812220014 Transcript of 781214 hearing in Avila Beach, CA re subj facil. Pp 6307-8706.
BOWERS, E., MARTIN, W. E., BRIGHT, O. O. Atomic Safety and Licensing Board Panel. 78/12/14. 199pp. 94248:024.

7812290002 Transcript of a 781218 hearing in Avila Beach CA re subj facil. Pp 6102-6399.
BOWERS, E., MARTIN, W. E., BRIGHT, O. O. Atomic Safety and Licensing Board Panel. 78/12/18. 257pp. 94208:050.

7812290279 Transcript of a morning 781214 hearing at Avila Beach, CA re sub j facill. Pp 6360-6471.
DOWERS, E., MARTIN, W. E., BRIGHT, O. O. Atomic Safety and Licensing Board Panel. 78/12/19. 11pp. 94192.001.

7812290280 Transcript of 781229 hearing on 781220 at Avila Beach, Ca. Pp 6472-6688
DOWERS, E., MARTIN, W. E., BRIGHT, O. O. Atomic Safety and Licensing Board Panel. 78/12/20. 216pp. 94193.001.

7812290282 Transcript of 781221 hearing in Avila Beach, CA re sub j facill. Pp 6689-6862.
DOWERS, E., MARTIN, W. E., BRIGHT, O. O. Atomic Safety and Licensing Board Panel. 78/12/21. 173pp. 94194.001.

7812290283 Transcript of a morning 781222 hearing in Avila Beach CA re sub j facill. Pp 6863-6949.
DOWERS, E., MARTIN, W. E., BRIGHT, O. O. Atomic Safety and Licensing Board Panel. 78/12/22. 86pp. 94195.001.

U. Congressional/Executive Correspondence

781080032 Responds to encl 780831 & 780923 congressional correspondence w/DOE requesting info to answer constituent's charges re nuc waste storage & location of sub j facill near geologic fault.
DIRKS, W. J. Office of the Executive Director for Operations. 78/10/30. 10pp. 94378.089

DOCKET 50-324 BRUNSWICK STEAM ELECTRIC PLANT, UNIT 2

A. Application/construction stage documents & correspondence

7810130122 Analysis of suppression pool temp transients as requested by NRC 780113 ltr & as mod at 780309 meeting. Work has begun & rept will be submitted in about 3 months.
UTLEY, E. E. Carolina Power & Light Co. 78/10/10. 1p. 94079.297.

F. Security, medical, emergency & fire protection plans

7812080157 Notification of 781217 site visit by R Leep & D Cameron, security plan reviewers w/ Los Alamos Sci Lab.
IPPLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/30. 2pp. 94107.354.

P. Operating license stage documents & correspondence

7810110110 Responds to 780829 ltr indicating that no incident of control rods failing to fully insert occurred at sub j facill.
UTLEY, E. E. Carolina Power & Light Co. 78/10/04. 1p. 94066.356.

7810130143 Has requested assistance from OE re undetected single failures in reactor protec sys pur supplies. Will not be able to respond to 780807 NRC ltr w/required info until 781215.
UTLEY, E. E. Carolina Power & Light Co. 78/10/10. 1p. 94002.315.

7810240127 Requests rev to Tech Spec for sub j facill in response to 780912 NRC ltr requesting rev to spec on total annual gaseous releases.
UTLEY, E. E. Carolina Power & Light Co. 78/10/16. 16pp.

7811130335 Summary of 780914 meeting w/OE representatives & Mark 1 Owners Group re progress of Long Term Prog w/attendance list & agenda (RD-9-A-Mark 1 Standards.)
GRIMES, C. Plant Systems Branch (Pre 791030). 78/10/26. 67pp.

7811090109 Requests rev of Tech Specs for sub j facill re operability requirements for suppression pool-reactor bldg vacuum breakers. Manual valves will be closed & valves will be governed by admin controls.
UTLEY, E. E. Carolina Power & Light Co. 78/11/03. 4pp. 94042.282.

7811240154 Notice of 781106 meeting in Bethesda w/CP&L to discuss compensatory measures to allow continued plant oper w/single valve isolation in RB-suppression chamber vacuum relief lines.
HANNON, J. N. Operating Reactors Branch 3 (Pre 790625). 78/11/03. 1p. 94456.259.

7811160135 Suppl to 781103 ltr requesting amend to Tech Spec to mod operability requirements of suppression pool-reactor bldg vacuum breakers. Ltr documents info discussed w/staff during 781106 meeting & 781107 telcon.
UTLEY, E. E. Carolina Power & Light Co. 78/11/08. 5pp. 94135.236.

781220279 Confirms verbal authorization to change Tech B facill in response to 781103 request. Amend allows all suppression pool-reactor bldg vacuum breakers to be oper w/opening setpoint of 0.5 psig w/manual valves closed.
GRIMES, B. K. Assistant Director for Engineers & Project 790625). 78/11/08. 3pp. 94308.211.

7812100273 Notifies util of 781205 seminar in Atlanta to Model Rod Effluent Tech Specs & encl seminar info sheet registration form, & proposed agenda.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/15. 162.

7812190406 Forwards NRC staff paper, policy session item (re licensee reg performance eval. Three methods for eval statistical trend analysis & regional survey method. W/o encl.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/15. 180.099.

7812130157 Notice of workshops re implementation of train requirements contained in Append B of 10CFR73. Requests pre-workshop registration of attendees to facilitate set out matl. W/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (78/11/15. 3pp.

7812180274 Forwards Rev'd "Draft Radiological Effluent Tech Specs (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
GRIMES, B. K. Assistant Director for Engineers & Project 790625). 78/11/15. 6pp. 94336.346.

7812080164 Confirms meeting on 781206 to discuss plans re for refueling outage sched for January 1979.
IPPLITO, T. A. Operating Reactors Branch 3 (Pre 790625). 2pp. 94108.008.

781210023 Discusses possible dangers of LOCA in containment during normal plant oper. Requests either commitment to purging or justification for continuing. A/encl AND:
7812080207.
IPPLITO, T. A. Operating Reactors Branch 2 (Pre 790625). 3pp. 94339.302.

781210315 Notification of meeting on 781206 in Bethesda, condition of jet pump riser safe-ends & evaluate related action proposed for refueling outage to begin Jan 1979.
HANNON, J. N. Operating Reactors Branch 3 (Pre 790625). 1p. 94204.157.

7812140176 Forwards Oct 1978 Prog Activity Review listing & providing task-by-task activity summary for the month.
BOBON, L. J. General Electric Co. 78/12/04. 11pp.

7812280114 Emphasizes importance of submitting accurate data to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must not NRC of any inaccuracies or enforcement action will result.
DAVIS, J. O. Office of Inspection & Enforcement, Office Director. 78/12/06. 2pp. 94133.228.

7812210100 Forwards amends #42 & 17 to DPR-71 & DPR-62 & Impact Appraisal & Fed Register Notice.
BALLARD, R. L. Environmental Projects Branch 1. 78/12/19. 182.

--7812210102 Amend #42 to Oper Lic DPR-62, changing the in of the cooling tower.
MOORE, V. A. Assistant Director for Environmental Projects 78/12/15. 2pp. 94269.184.

--7812210104 Amend #17 to Oper Lic DPR-71, changing the in of the cooling tower.
MOORE, V. A. Assistant Director for Environmental Projects 78/12/15. 3pp. 94269.186.

--7812210107 Notice of Issuance of Amends #42 & 17 to Oper 71 & Negative Declaration.
BALLARD, R. L. Environmental Projects Branch 1. 78/12/19. 188.

--7812210109 Environ Impact Appraisal supporting Amends #42 & 17 re cooling tower installation data.
* Division of Site Safety & Environmental Analysis. 18pp. 94269.190.

7812270192 Due to delays in OE's analysis of reactor protect sys pur supplies, CPL will be unable to respond to 780807 ltr as previously committed to in 781010 ltr. Estimates response by 790301.
UTLEY, E. E. Carolina Power & Light Co. 78/12/18. 2pp. 94018:038

7812270207 Forwards results of reactor recirculation safe ends inspect prog including a description of existing NDE techniques & discussions of alternate techniques. Concludes that present techniques used by subj facil are adequate.
UTLEY, E. E. Carolina Power & Light Co. 78/12/22. 13pp. 94168:081

Q. Inspection reports, IE Bulletins & correspondence

7810310134 IE Inspec Repts#50-324/78-19 & #50-325/78-19 on 780808-11 during which no items of noncompliance were noted. Major areas inspected included: calibr, surveillance, design & procurement changes & mode
KELLOGG, P. J. Region 2, Atlanta, Office of the Director. OUSTB, J. E. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/20. 8pp. 94090:133.

7810310128 Forwards IE Inspec Repts#50-324/78-19 & #50-325/78-19 on 780808-11 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/21. 2pp. 94090:131

7811010397 Forwards IE Inspec Rept#50-324/78-20 & #50-325/78-20 on 780815-18 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/21. 2pp. 94388:313

--7811010402 IE Inspec Rept#50-324/78-20 & #50-325/78-20 on 780815-18 during which no items of noncompliance were noted. Major areas inspected included: licensee event rept, IE bulletins & circulars, follow-up of open items.
HINCKLEY, D. G. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/20. 8pp. 94388:315.

7811010240 Ack receipt of 780830 ltr informing NRC of steps taken to correct violations noted during inspec#50-324/78-14 & 50-325/78-14.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/27. 1p. 02335:242.

--7811010242 Responds to 780717 NRC ltr re violations noted in Inspec Repts#50-324/78-14 & #50-325/78-14. Corrective actions: Rev checklist added to chlorination log & level limits added to log checklists.
BANKS, H. R. Carolina Power & Light Co. 78/08/30. 3pp. 94068:169.

--7811010245 Forwards IE Inspec Repts#50-324/78-14 & #50-325/78-14 on 780612-15 & Notice of Violation
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/07/17. 2pp. 94068:172.

--7811010249 Notice of Violation from inspec on 780612-15.
* Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/07/17. 2pp. 94068:174.

--7811010253 IE Inspec Rept#50-324/78-14 & #50-325/78-14 on 780612-15 during which 3 items of noncompliance were noted: failure to include specs in annual audit & surveillance techniques for chlorination.
MURPHY, J. W. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/07/14. 7pp. 94068:176.

7811010291 Responds to 780821 NRC ltr re violation noted in Inspec Rept#50-324/78-17 & #50-325/78-17. Corrective actions: personnel made aware of necessity of protect clothing.
BANKS, H. R. Commonwealth Edison Co. 78/09/20. 2pp. 94068:317.

--7811010295 Forwards IE Inspec Rept#50-324/78-17 & #50-325/78-17 on 780718-21 & Notice of Violation.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/21. 2pp. 94068:319.

--7811010299 Notice of Violation from inspec on 780718-21.
* Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/21. 1p. 94068:321.

--7811010302 IE Inspec Rept#50-324/78-17 & #50-325/78-17 on 780718-21 during which 1 item of noncompliance was noted: failure to follow approved health physics procedures.
DANCE, H. C., HINCKLEY, D. G., RILEY, B. W. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/21. 4pp. 94068:322.

7811200029 Forwards IE Inspec Repts#50-324/78-24 & #50-325/78-24 on 780918-20-22, 26-28 during which no items of noncompliance were noted.
MURPHY, C. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/10/11. 2pp. 94215:305.

--7811200034 IE Inspec Repts#50-324/78-24 & #50-325/78-24 on 780918-20-22, 26-28 during which no items of noncompliance were noted. Major areas inspected included: Non-Destructive Examination of Jet-Pump Riser Safe-Ends.
BLAKE, J. J., WILLIAMS, C. C., CONLON, T. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/10/11. 5pp. 94215:307.

7810260249 Reports that no external pipe snubbers were found in Unit#1. None were found in Unit#2 but one accessible snubber w/out a readable serial number was replaced.
UTLEY, E. E. Carolina Power & Light Co. 78/10/17. 1p. 94058:320.

7810270252 Forwards summary of 781016 meeting re subj facil inspec.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/10/20. 1p. 94029:210.

--7810270272 Summary of 781016 meeting re util eval of BSEP Reactor Recirculation Safe-End Examination Results Util will inform Region II whether Nov inspec can be deferred.
BLAKE, J. J. Region 2, Atlanta, Office of the Director. 78/10/20. 2pp. 94029:211.

7810270111 Describes planned feedwater & control rod drive return line nozzle inspections to be performed during refueling outages.
UTLEY, E. E. Carolina Power & Light Co. 78/10/24. 2pp. 94059:303.

7811090009 Ack receipt of 781026 ltr informing NRC of steps taken to correct violations noted during inspec#50-324/78-21 & #50-325/78-21.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/01. 1p. 94039:337.

--7811090013 Responds to 781003 NRC ltr re violations noted in Inspec Repts#50-324/78-21 & #50-325/78-21. Corrective actions: Info withheld from public disclosure pursuant to 10CFR2.790.
(See AND. 7810140041)
FURR, B. J. Carolina Power & Light Co. 78/10/26. 1p. 94039:338.

781210244 Forwards IE Inspec Repts 50-325/78-27 & 50-324/78-27 on 781018-19. Noncompliance noted.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/03. 2pp. 94337:249.

--7812110251 IE Inspec Repts 50-324/78-27 & 50-325/78-27 on 781018-19. Noncompliance noted. Major areas inspected security plan access controls, communications controls & security organization.
MCQUIRE, D. R. Region 2, Atlanta, Office of the Director. GILLESPIE, F. P. Region 2, Atlanta, Safeguards Branch. 78/11/01. 3pp. 94337:251.

7811130087 Forwards IE Circular 78-18.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/06. 1p.

7811170232 Ack receipt of 781108 ltr informing NRC of steps taken to correct violations noted during inspec#50-324/78-18 & #50-325/78-18.
SUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/08. 1p. 94136:226.

--7811170238 Responds to 780921 NRC ltr re violations noted in Inspec Repts#50-324/78-18 & #50-325/78-18. Corrective actions: self-locking spring loaded door locks installed, doors limiting access to high radiat areas will be yellow
BANKS, H. R. Carolina Power & Light Co. 78/10/17. 2pp. 94136:227.

--7811170240 Forwards IE Inspec Repts#50-324/78-18 & #50-325/78-18 on 780808-11 & Notice of Violation.
SUTHERLAND, J. T. Region 2, Atlanta, Office of the Director. 78/09/21. 2pp. 94136:229.

--7811170242 Notice of Violation from inspec on 780808-11.
* Region 2, Atlanta, Office of the Director. 78/09/21. 1p. 94136:231.

--7811170245 IE Inspec Repts#50-324/78-18 & #50-325/78-18 on 780808-11 during which 1 item of noncompliance was noted: Control of high radiat areas.
TROUP, O. L., DAVIS, J. H. Region 2, Atlanta, Fuel Facility &

DOCKETED ITEMS

7812210152 Forwards IE Inspec Repts#50-324/78-23 & #50-325/78-23 on 781002-06 during which no items of noncompliance were noted. BUTLERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/09. 2pp. 94278:176.

--7812210155 IE Inspec Repts#50-324/78-23 & #50-325/78-23 on 781002-06 during which no items of noncompliance were noted. Major areas inspected incl: radiat protec & radioactive waste mgmt prog. TROUP, O. L. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/09. 7pp. 94278:176.

7812180335 Provides info requested in IE Inspec Repts#50-324/78-23 & #50-325/78-23. Info concerns verification of use of E-P seal matl in safety-related snubbers & determination of bleed rate at rated load. TOLLISON, A. C. Carolina Power & Light Co. 78/11/16. 2pp. 94358:004.

--7812180240 Forwards IE Inspec Repts#50-324/78-25 & #50-325/78-25 on 780926-9 during which no items of noncompliance were noted. LONON, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/09. 2pp. 94358:006.

--7812180243 IE Inspec Repts#50-324/78-25 & #50-325/78-25 on 780926-9 during which no items of noncompliance were noted. Major areas inspected incl: records, plant tour, pipe support & restraint sys. follow-up on IE circulars & requests. HINCKLEY, D. O., WHITENER, H. L., DANCE, H. C. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/11/09. 12pp. 94358:008.

7812120185 Forwards reproductions of articles that appeared in June & Aug 1978 editions of Nuc Security Safeguards Newsletter. KENNA, H. B. Region 2, Atlanta, Safeguards Branch. 78/11/17. 4pp. 94277:063.

7812040339 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12. W/encl AND: 781200033. O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/24. 6pp. 94127:143.

7812130294 Ack receipt of 781127 ltr informing NRC of steps taken to correct violations noted during investigation#50-325/78-29 & #50-324/78-29. KENNA, H. B. Region 2, Atlanta, Safeguards Branch. 78/12/07. 1p. 94296:329.

--7812130296 Responds to 781107 NRC ltr re violations noted in Investigation Rept#50-325/78-29 & #50-324/78-29. Corrective actions: improved admin controls over documentation & testing of security force training prog have been implemented. BANKS, H. R. Carolina Power & Light Co. 78/11/27. 3pp. 94296:330.

--7812130300 Forwards IE Investigation Rept#50-325/78-29 & #50-324/78-29 on 781023-25 & Notice of Violation. O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/07. 2pp. 94296:333.

--7812130304 Notice of Violation from investigation on 781023-25. # Region 2, Atlanta, Office of the Director. 78/11/07. 1p. 94296:335.

--7812130310 IE Investigation Rept#50-325/78-29 & #50-324/78-29 on 781023-25 during which 1 item of noncompliance was noted: licensee permitted unqualified & improperly informed individual to guard security posts on 781016. KENNA, H. B. Region 2, Atlanta, Safeguards Branch. 78/11/06. 13pp. 94296:336.

7812130115 Documents reinspec results of four recirculation inlet nozzle safe ends & acceptability of continued oper of facilis until next refueling outage. Concludes that continued oper presents no safety hazard to the public. UTLEY, E. E. Carolina Power & Light Co. 78/12/08. 45pp. 94295:331.

7812280024 Forwards IE Bulletin 78-14. O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/12/19. 1p. 94131:057.

R. Periodic operating reports & related correspondence

7810130121 Forwards Monthly Oper Rept for Sept 1978. BANKS, H. R. Carolina Power & Light Co. 78/10/10. 1p. 94079:298.

7811160091 Forwards monthly oper rept for Oct 1978. BANKS, H. R. Carolina Power & Light Co. 78/11/10. 1p. 94134:351.

--7811160094 Monthly oper rept for Oct 1978. WILLIS, E. Carolina Power & Light Co. 78/11/02. 9pp. 94134:35

7812150330 Forwards Monthly Oper Repts for Nov 1978. BANKS, H. R. Carolina Power & Light Co. 78/12/11. 1p. 94022:043.

--7812150332 Monthly Oper Repts for Nov 1978. WILLIS, E. Carolina Power & Light Co. 78/12/05. 12pp. 94022:0

S. Reportable occurrences, LERs & related correspondence

7810100029 Forwards LER#78-066/03L-0. BANKS, H. R. Carolina Power & Light Co. 78/10/03. 1p. 94033:037.

--7810100032 LER#78-066/03L-0 on 780904: rod block monitor "B" inoper. trip came on & stayed on for 1/4 of the control rod selection matrix. Caused by failed integrated circuit in rod block monitor self-test circuitry. TOLLISON, A. C. Carolina Power & Light Co. 78/10/03. 1p. 94033:038.

7810130177 Forwards LER#78-059/03L-0. BANKS, H. R. Carolina Power & Light Co. 78/10/04. 1p. 94003:020.

--7810130181 LER#78-059/03L-0 on 780904: RCIC isolation channel "A" tripped momentarily, causing RCIC sys to be inoper. due to defective RX-2 relay. TOLLISON, A. C. Carolina Power & Light Co. 78/10/04. 1p. 94003:021.

7810230143 Forwards LER#78-068/03L-0. BANKS, H. R. Carolina Power & Light Co. 78/10/11. 1p. 94489:009.

--7810230146 LER#78-068/03L-0 on 780912: during LPCI pump discharge pressure interlock channel functional test, pressure switches E11-P8-N016B & E11-P8-N020D failed to actuate at 115PSI0. due to corrosion buildup in switch plungers. * Carolina Power & Light Co. 78/10/11. 1p. 94489:010.

7810230193 Forwards LER#78-069/03L-0. BANKS, H. R. Carolina Power & Light Co. 78/10/11. 1p. 94052:257.

--7810230195 LER#78-069/03L-0 on 780912: Fire alarms received but wou not reset. Fire detection instrumentation not operable. Caused by smoke & dust resulting from welding & operation of jackhammer. Fire detectors cleaned & repaired. BANKS, H. R. Carolina Power & Light Co. 78/10/11. 2pp. 94052:2

7810310232 Forwards LER#78-070/03L-0. BANKS, H. R. Carolina Power & Light Co. 78/10/23. 1p. 94090:355.

--7810310236 LER#78-070/03L-0 on 780923: Reactor Coolant Conductivity exceeded micro-mho's in Tech Specs. Caused by restarting RWCU filter pump after it had tripped which injected resin into reactor coolant. RWCU oper procedure will be revised. * Carolina Power & Light Co. 78/10/23. 2pp. 94090:356.

7810310139 Forwards LER#78-071/03L-0. BANKS, H. R. Carolina Power & Light Co. 78/10/24. 1p. 94090:165.

--7810310142 LER#78-071/03L-0 on 780924: RCIC sys component test found that RCIC turbine trip & throttle valve E51-v8 was in closed position, due to unknown cause. TOLLISON, A. C. Carolina Power & Light Co. 78/10/24. 1p. 94090:166.

7810310217 Forwards LER#78-073/03L-0. BANKS, H. R. Carolina Power & Light Co. 78/10/25. 1p. 94090:321.

--7810310222 LER#78-073/03L-0 on 780927: condensate deep-bed deminera conductivity recorder found inoper during shift turnover inspec. Transmitter was turned off due to mislabeling of on-off switch positions. TOLLISON, A. C. Carolina Power & Light Co. 78/10/25. 1p. 94090:322.

781220187 LER#78-079/03L-0 on 781017: reactor bldg radiat exhaust Monitor D12-RH-N0108 failed safe causing reactor bldg vent

7812070175 Forwards LERW78-072/03L-0.
BANKS, H. R. Carolina Power & Light Co. 78/11/30 1p 94375:022.

--7812070181 LERW78-072/03L-0 on 781101: rod block monitor (RBM) channel A was found out of calibr during testing due to setpoint drift Calibr frequency will be increased from once to twice per year.
TCLL180N, A. C. Carolina Power & Light Co. 78/11/30 1p.
94375:023.

7812200198 Forwards LERW78-082/03L-0.
FURR, B. J. Carolina Power & Light Co. 78/12/13 1p 94148:358

--7812200199 LERW78-082/03L-0 on 781117: while reactor was in hot shutdown torus level increased 2" above tech spec. Caused by demineralized make-up water leakage through valves from RHR Keep-fill system causing torus level to rise.
TCLL180N, A. C. Carolina Power & Light Co. 78/12/13 2pp.
94148:359.

7812200200 Forwards LERW78-074/03L-0
FURR, B. J. Carolina Power & Light Co. 78/12/13 1p 94148:361.

--7812200201 LERW78-074/03L-0 on 781112: reactor steam dome high pressure switch B32-PS-NO188 did not reset & would not allow RHR valve E11-F008 to open for shutdown cooling at reactor pressure of 102psig. Caused by sticking micro-switch
TCLL180N, A. C. Carolina Power & Light Co. 78/12/13 1p.
94148:362.

7812270298 Forwards LERW78-075/03L-0.
BANKS, H. R. Carolina Power & Light Co. 78/12/21 1p. 94229:358.

--7812270303 LERW78-075/03L-0 on 781122: HPCI & RCIC component tests were overlooked because rescheduling technique provided no clear indication of test due dates. Responsible technician instructed & admin operating instruction AOI-5 rev.
TCLL180N, A. C. Carolina Power & Light Co. 78/12/21 2pp.
94229:359.

DOCKET 50-325 BRUNSWICK STEAM ELECTRIC PLANT, UNIT 1

A. Application/construction stage documents & correspondence

7810130122 Analysis of suppression pool temp transients as requested by NRC 780113 ltr & as mod at 780309 meeting Work has begun & rpt will be submitted in about 3 months.
UTLEY, E. E. Carolina Power & Light Co. 78/10/10 1p. 94079:297.

F. Security, medical, emergency & fire protection plans

7812080157 Notification of 781217 site visit by R Leep & D Cameron. security plan reviewers affil w/Los Alamos Bci Lab.
IPPL170, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/30.
2pp. 94107:354.

P. Operating license stage documents & correspondence

7812080164 Confirms meeting on 781206 to discuss plans re safe-ends for refueling outage sched for January 1979.
IPPL170, T. A. Operating Reactors Branch 3 (Pre 790625). 78/11/29.
2pp. 94108:008.

781210023 Discusses possible dangers of LOCA in containment purging during normal plant oper Requests either commitment to limit purging or justification for continuing. A/encl AND:
#7812080207.
IPPL170, T. Operating Reactors Branch 2 (Pre 790625). 78/11/29.
8pp. 94339:302.

7812110315 Notification of meeting on 781206 in Bethesda, MD to discuss condition of jet pump riser safe-ends & evaluate related action proposed for refueling outage to begin Jan 1979.
HANNDON, J. N. Operating Reactors Branch 3 (Pre 790625). 78/12/01.
1p. 94204:137.

781220177 Withdraws request for extension to subj facil inaccessible snubber inspec internal due to present operable status of facil.
UTLEY, E. E. Carolina Power & Light Co. 78/09/22. 1p.

--781220180 Requests temporary, one-time-only, Tech Specs change for subj facil to extend inaccessible inspec period thru 781004 due to continuing sys capacity shortage caused by forced maintenance outage.
UTLEY, E. E. Carolina Power & Light Co. 78/09/20. 3pp.

7810110110 Responds to 780929 ltr indicating that no incident of control rods failing to fully insert occurred at subj facil.
UTLEY, E. E. Carolina Power & Light Co. 78/10/04 1p 94066:356

7810130143 Has requested assistance from OE re undetected single failures in reactor protec sys pur supplies. Will not be able to respond to 780807 NRC ltr w/required info until 781215.
UTLEY, E. E. Carolina Power & Light Co. 78/10/10 1p. 94002:315.

7810240127 Requests rev to Tech Spec for subj facil in response to 780912 NRC ltr requesting rev to spec on total annual gaseous releases.
UTLEY, E. E. Carolina Power & Light Co. 78/10/16 16pp.

7811130335 Summary of 780914 meeting w/OE representatives & Mark 1 Owners Group re progress of Long Term Prog w/attendance list & agenda (RD-9-A-Mark1 Standards).
GRIBES, C. Plant Systems Branch (Pre 791030). 78/10/26 67pp.

7811090109 Requests rev of Tech Specs for subj facil re operability requirements for suppression pool-reactor bldg vacuum breakers. Manual valves will be closed & valves will be governed by admin controls.
UTLEY, E. E. Carolina Power & Light Co. 78/11/03 4pp 94042:282.

7811240154 Notice of 781106 meeting in Bethesda w/CP&L to discuss compensatory measures to allow continued plant oper w/single valve isolation in RB-suppression chamber vacuum relief lines.
HANNDON, J. N. Operating Reactors Branch 3 (Pre 790625). 78/11/03.
1p. 94456:259.

7811160135 Suppl to 781103 ltr requesting amend to Tech Spec to mod operability requirements of suppression pool-reactor bldg vacuum breakers. Ltr documents info discussed w/staff during 781106 meeting & 781107 telcon.
UTLEY, E. E. Carolina Power & Light Co. 78/11/08 5pp. 94135:236.

7811220279 Confirms verbal authorization to change Tech Spec at subj facil in response to 781103 request. Amend allows all suppression pool-reactor Bldg Vacuum breakers to be oper w/opening setpoint of 0.5 psig w/manual valves closed.
GRIBES, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/08 3pp. 94308:211.

7811210273 Notifies util of 781205 seminar in Atlanta to discuss new Model Rod Effluent Tech Specs & encl seminar info sheet, registration form, & proposed agenda.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/09.
5pp. 94489:162.

7811290406 Forwards NRC staff paper, policy session item (BECY-78-534) relicensee reg performance eval. Three methods for eval are: statistical, trend analysis & regional survey method. W/o encl.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/15.
2pp. 94180:099.

7812150157 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. W/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15 5pp.

7812180274 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for BWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
GRIBES, B. K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15 6pp. 94356:346.

7812140176 Forwards Oct 1978 Prog Activity Review listing meetings held & providing task-by-task activity summary for the month.
BOBON, L. J. General Electric Co. 78/12/04. 11pp.

7812280114 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. O. Office of Inspection & Enforcement, Office of the Director. 78/12/06 2pp. 94133:228.

7812210100 Forwards amends #42 & 17 to DPR-71 & DPR-62 & related Enviro Impact Appraisal & Fed Register Notice.
BALLARD, R. L. Environmental Projects Branch 1. 78/12/15 2pp.
94267:182.

--7812210102 Amend#42 to Oper Lic DPR-62, changing the installation date of the cooling tower.
MOORE, V. A. Assistant Director for Environmental Projects.
78/12/15. 2pp. 94269.184.

--7812210104 Amend#17 to Oper Lic DPR-71, changing the installation date of the cooling tower.
MOORE, V. A. Assistant Director for Environmental Projects.
78/12/15. 2pp. 94269.186.

--7812210107 Notice of Issuance of Amendments#42 & 17 to Oper Lics DPR-62 & 71 & Negative Declaration
BALLARD, R. L. Environmental Projects Branch 1. 78/12/15. 2pp.
94269.188

--7812210109 Environ Impact Appraisal supporting Amendments#42 & 17 to Oper Lics DPR-62 & 71 re cooling tower installation date.
* Division of Site Safety & Environmental Analysis. 78/12/15.
18pp. 94269.190.

7812270192 Due to delays in OE's analysis of reactor protec sys purf supplies, CPL will be unable to respond to 780807 ltr as previously committed to in 781010 ltr. Estimates response by 790301.
UTLEY, E. E. Carolina Power & Light Co. 78/12/18. 2pp. 94018:058.

7812270207 Forwards results of reactor recirculation safe ends inspec prog including a description of existing NDE techniques & discussions of alternate techniques. Concludes that present techniques used by sub; facil are adequate.
UTLEY, E. E. Carolina Power & Light Co. 78/12/22. 13pp. 94168:081.

Q. Inspection reports, IE Bulletins & correspondence

7811170232 Ack receipt of 781108 ltr informing NRC of steps taken to correct violations noted during inspec#50-324/78-1B & #50-325/78-1B.
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/11/08. 1p. 94136:226.

--7811170238 Responds to 780921 NRC ltr re violations noted in Inspec Repts#50-324/78-1B & #50-325/78-1B. Corrective actions: self-locking spring loaded door locks installed; doors limiting access to high radiat areas will be yellow.
BANKS, H. R. Carolina Power & Light Co. 78/10/17. 2pp. 94136:227.

--7811170240 Forwards IE Inspec Repts#50-324/78-1B & #50-325/78-1B on 780808-11 & Notice of Violation.
BUTHERLAND, J. T. Region 2, Atlanta, Office of the Director.
78/09/21. 2pp. 94136:229.

--7811170242 Notice of Violation from inspec on 780808-11.
* Region 2, Atlanta, Office of the Director. 78/09/21. 1p.
94136:231.

--7811170245 IE Inspec Repts#50-324/78-1B & #50-325/78-1B on 780808-11 during which 1 item of noncompliance was noted: Control of high radiat areas.
TROUP, O. L., DAVIS, J. H. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/20. 10pp. 94136:232.

781210246 Forwards IE Insp Repts 50-325/78-27 & 50-324/78-27 on 78018-19. Noncompliance noted.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/03. 2pp.
94337:249.

--7812110251 IE Insp Repts 50-324/78-27 & 50-325/78-27 on 781018-19. Noncompliance noted. Major areas inspected: security plan access controls, communications controls & security organization.
MCQUIRE, D. R. Region 2, Atlanta, Office of the Director.
GILLESPIE, F. P. Region 2, Atlanta, Safeguards Branch. 78/11/01. 3pp. 94337:251.

781210294 Ack receipt of 781127 ltr informing NRC of steps taken to correct violations noted during investigation#50-325/78-29 & #50-324/78-29.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/12/07. 1p.
94296:329.

7810310134 IE Inspec Repts#50-324/78-19 & #50-325/78-19 on 780808-11 during which no items of noncompliance were noted. Major areas inspected included: calibr, surveillance, design & procurement changes & mods.
KELLDON, P. J. Region 2, Atlanta, Office of the Director. QUZTB, J. E. Region 2, Atlanta, Reactor Operations Nuclear Support Branch.
78/09/20. 8pp. 94090:133.

7810310128 Forwards IE Inspec Repts#50-324/78-19 & #50-325/78-19 on 780808-11 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/21. 2pp. 94090:131.

7811010397 Forwards IE Inspec Repts#50-324/78-20 & #50-325/78-20 on 780815-18 during which no items of noncompliance were noted.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/21. 2pp. 94388:313.

--7811010402 IE Inspec Repts#50-324/78-20 & #50-325/78-20 on 780815-18 during which no items of noncompliance were noted. Major areas inspected included: licenses event rept, IE bulletins & circulars, follow-up of open items.
HINCKLEY, D. G. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/20. 6pp. 94388:315.

781010240 Ack receipt of 780830 ltr informing NRC of steps taken to correct violations noted during inspec#50-324/78-14 & 50-325/78-14.
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/27. 1p. 03555:242.

--7810110242 Responds to 780717 NRC ltr re violations noted in Inspec Repts#50-324/78-14 & #50-325/78-14. Corrective actions: Rev checklist added to chlorination log & level limits added to log checklists.
BANKS, H. R. Carolina Power & Light Co. 78/08/30. 3pp. 94068:169.

--7810110245 Forwards IE Inspec Repts#50-324/78-14 & #50-325/78-14 on 780612-15 & Notice of Violation.
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/07/17. 2pp. 94068:172.

--7810110249 Notice of Violation from inspec on 780612-15.
* Region 2, Atlanta, Fuel Facility & Materials Safety Branch.
78/07/17. 2pp. 94068:174.

--7810110253 IE Inspec Repts#50-324/78-14 & #50-325/78-14 on 780612-15 during which 3 items of noncompliance were noted: failure to include specs in annual audit & surveillance techniques for chlorination.
HUFHAM, J. W. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/07/14. 7pp. 94068:176.

7810110287 Ack receipt of 780920 ltr informing NRC of steps taken to correct violations noted during Inspec#50-324/78-17 & #50-325/78-17.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/27. 1p. 03556:057.

--7810110291 Responds to 780821 NRC ltr re violation noted in Inspec Repts#50-324/78-17 & #50-325/78-17. Corrective actions: personnel made aware of necessity of protec clothing.
BANKS, H. R. Commonwealth Edison Co. 78/09/20. 2pp. 94068:317.

--7810110295 Forwards IE Inspec Repts#50-324/78-17 & #50-325/78-17 on 780718-21 & Notice of Violation.
LONG, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/21. 2pp. 94068:319.

--7810110299 Notice of Violation from inspec on 780718-21.
* Region 2, Atlanta, Reactor Operations Nuclear Support Branch.
78/08/21. 1p. 94068:321.

--7810110302 IE Inspec Repts#50-324/78-17 & #50-325/78-17 on 780718-21 during which 1 item of noncompliance was noted: failure to follow approved health physics procedures.
DANCE, H. C., HINCKLEY, D. G., RILEY, B. W. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/08/21. 4pp. 94068:322.

781200029 Forwards IE Inspec Repts#50-324/78-24 & #50-325/78-24 on 780918, 20-22, 26-28 during which no items of noncompliance were noted.
MURPHY, C. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/10/11. 2pp. 94215:303.

--781200034 IE Inspec Repts#50-324/78-24 & #50-325/78-24 on 780918, 20-22, 26-28 during which no items of noncompliance were noted. Major areas inspected included: Non-Destructive Examination of Jet-Pump Riser Safe-Ends.
BLAKE, J. J., WILLIAMS, C. C., CONLON, T. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/10/11. 8pp. 94215:307.

7810260249 Reports that no external pipe snubbers were found in Unit#1. None were found in Unit#2 but one accessible snubber w/out a readable serial number was replaced.
UTLEY, E. E. Carolina Power & Light Co. 78/10/17. 1p. 94090:320.

DOCKETED ITEMS

21

7810270252 Forwards summary of 781016 meeting re suby facil inspec.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/10/20.
1p. 94029:210.

--7810270272 Summary of 781016 meeting re util eval of BSEP Reactor
Recirculation Safe-End Examination Results. Util will inform
Region 11 whether Nav inspec can be deferred.
BLAKE, J. J. Region 2, Atlanta, Office of the Director. 78/10/20.
2pp. 94029:211.

7810270111 Describes planned feedwater & control rod drive return line
nozzle inspects to be performed during refueling outages.
UTLEY, E. E. Carolina Power & Light Co. 78/10/24. 2pp. 94039:303.

7811090009 Ack receipt of 781026 ltr informing NRC of steps taken to
correct violations noted during inspec#50-324/78-21 &
#50-325/78-21.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/01. 1p.
94039:337.

--7811090013 Responds to 781003 NRC ltr re violations noted in Inspec
Repts#50-324/78-21 & #50-325/78-21. Corrective actions: info
withheld from public disclosure pursuant to 10CFR2.790.
(See AND: 7810140041)
FURR, B. J. Carolina Power & Light Co. 78/10/26. 1p. 94039:338.

7811150087 Forwards IE Circular 78-18.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/06.
1p.

7812210152 Forwards IE Inspec Repts#50-324/78-23 & #50-325/78-23 on
781002-06 during which no items of noncompliance were noted.
BUTHERLAND, J. T. Region 2, Atlanta, Fuel Facility & Materials Safety
Branch. 78/11/09. 2pp. 94278:176.

--7812210155 IE Inspec Repts#50-324/78-23 & #50-325/78-23 on 781002-06
during which no items of noncompliance were noted. Major
areas inspected incl: radiat protec & radioactive waste
mgmt prog.
TROUP, D. L. Region 2, Atlanta, Fuel Facility & Materials Safety
Branch. 78/11/09. 7pp. 94278:178.

7812160335 Provides info requested in IE Inspec Repts#50-324/78-23 &
#50-325/78-23. Info concerns verification of use of E-P seal
matl in safety-related snubbers & determination of bleed
rate at rated load.
TOLLISSON, A. C. Carolina Power & Light Co. 78/11/16. 2pp.
94338:004.

--7812160340 Forwards IE Inspec Repts#50-324/78-23 & #50-325/78-23 on
780926-9 during which no items of noncompliance were noted.
LONO, F. J. Region 2, Atlanta, Reactor Operations Nuclear Support
Branch. 78/11/09. 2pp. 94338:006.

--7812160345 IE Inspec Repts#50-324/78-23 & #50-325/78-23 on 780926-9
during which no items of noncompliance were noted. Major
areas inspected incl: records, plant tour, pipe support &
restraint sys, follow-up on IE circulars & requests.
HINCKLEY, D. O., WHITENER, H. L., DANCE, H. C. Region 2, Atlanta,
Reactor Operations Nuclear Support Branch. 78/11/09. 12pp.
94338:008.

7812120185 Forwards reproductions of articles that appeared in June &
Aug 1978 editions of Nuc Security Safeguards Newsletter.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/17. 4pp.
94277:083.

7812040359 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
W/encl AND: 7811300033.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/24.
6pp. 94127:143.

7812130296 Responds to 781107 NRC ltr re violations noted in
Investigation Rept#50-325/78-29 & #50-324/78-29. Corrective
actions: improved admin controls over documentation & testing
of security force training prog have been implemented.
BANKS, H. R. Carolina Power & Light Co. 78/11/27. 3pp. 94296:330.

--7812130300 Forwards IE investigation Rept#50-325/78-29 & #50-324/78-29
on 781023-25 & Notice of Violation.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director.
78/11/07. 2pp. 94296:333.

--7812130304 Notice of Violation from investigation on 781023-25.
* Region 2, Atlanta, Office of the Director. 78/11/07. 1p.

--7812130310 IE Investigation Rept#50-325/78-29 & #50-324/78-29 on
781023-25 during which 1 item of noncompliance was noted:
licensee permitted unqualified & improperly informed
individual to guard security posts on 781016.
KENNA, W. B. Region 2, Atlanta, Safeguards Branch. 78/11/06. 15pp.
94296:336.

7812130115 Documents reinspec results of four recirculation inlet
nozzle safe ends & acceptability of continued oper of Facilis
until next refueling outage. Concludes that continued oper
presents no safety hazard to the public.
UTLEY, E. E. Carolina Power & Light Co. 78/12/08. 45pp. 94295:331.

7812280024 Forwards IE Bulletin 78-14.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/12/19.
1p. 94131:057.

R. Periodic operating reports & related correspondence

7810130121 Forwards Monthly Oper Rept for Sept 1978.
BANKS, H. R. Carolina Power & Light Co. 78/10/10. 1p. 94079:298.

--7810130124 Monthly Oper Rept for Sept 1978.
WILLIS, E. Carolina Power & Light Co. 78/10/05. 13pp. 94079:299.

7811160091 Forwards monthly oper rept for Oct 1978.
BANKS, H. R. Carolina Power & Light Co. 78/11/10. 1p. 94134:351.

--7811160094 Monthly oper rept for Oct 1978.
WILLIS, E. Carolina Power & Light Co. 78/11/02. 9pp. 94134:352.

7812150330 Forwards Monthly Oper Repts for Nov 1978.
BANKS, H. R. Carolina Power & Light Co. 78/12/11. 1p. 94022:043.

--7812150332 Monthly Oper Repts for Nov 1978.
WILLIS, E. Carolina Power & Light Co. 78/12/03. 12pp. 94022:044.

S. Reportable occurrences, LERs & related correspondence

7810100049 Forwards LER#78-071/03L-0.
BANKS, H. R. Carolina Power & Light Co. 78/10/03. 1p. 94032:176.

--7810100055 LER#78-071/03L-0 on 780903: during periodic test, radiat
monitor D12-RM-N010B HI-HI trip point drifted to higher than
permitted level. Monitor recalibrated. Drift appears to be
isolated incident; no further action taken.
TOLLISSON, A. C. Carolina Power & Light Co. 78/10/03. 1p.
94032:177.

7810130152 Forwards LER#78-072/03L-0.
BANKS, H. R. Carolina Power & Light Co. 78/10/09. 1p. 94002:360.

--7810130156 LER#78-072/03L-0 on 780911: snubber BW-14288164 found
inoperable during periodic test. Caused by seal degradation &
resulting loss of fluid.
TOLLISSON, A. C. Carolina Power & Light Co. 78/10/09. 1p.
94002:361.

7810130189 Forwards LER 78-072/03L-0.
BANKS, H. R. Carolina Power & Light Co. 78/10/09. 1p. 94079:151.

7810130198 Forwards LER#78-074/03L-0.
BANKS, H. R. Carolina Power & Light Co. 78/10/10. 1p. 94003:001.

--7810130162 LER#78-074/03L-0 on 780911: during monthly #1 diesel
generator load test, it was found that #1 cylinder was not
firing, due to faulty fuel pump.
TOLLISSON, A. C. Carolina Power & Light Co. 78/10/10. 2pp.
94003:002.

7811090194 Forwards LER#78-075/03L-0.
BANKS, H. R. Carolina Power & Light Co. 78/11/02. 1p. 94038:253.

--7811090197 LER#78-075/03L-0 on 781004: pressure switch E11-P8-N0168
failed during periods PLCI pump discharges ADB permissive
test, due to corrosion buildup on plunger of switch.
TOLLISSON, A. C. Carolina Power & Light Co. 78/11/02. 1p.
94038:254.

7811160137 Forwards LER#78-078/03L-0.

--781160141 LER#78-078/03L-0 on 781103 Control oper received control rod drift alarm for rod 10-31. When rod position display was selected, a false "3" was superimposed on actual rod position due to a ground on the RPLS probe.
TOLLISON, A. C. Carolina Power & Light Co. 78/11/06. 2pp. 94135:245.

781160138 Forwards LER#78-077/03L-0
FURR, B. J. Carolina Power & Light Co. 78/11/07. 1p. 94135:247.

--781160144 LER#78-077/03L-0 on 781006 condensate storage tank level switch E41-LB-N003 found out of calibration during periodic condensate storage tank low level channel. Caused by instru drift.
TOLLISON, A. C. Carolina Power & Light Co. 78/11/07. 1p. 94135:248.

781160088 Forwards LER#78-076/03L-0.
BANKS, H. R. Carolina Power & Light Co. 78/11/09. 1p. 94134:346.

--781160092 LER#78-076/03L-0 on 781011 torus level dropped below Tech Spec minimum while water from torus was being pumped via ROR to radwaste in efforts to reduce torus water level. Caused by operator being distracted.
TOLLISON, A. C. Carolina Power & Light Co. 78/11/09. 1p. 94134:347.

781160132 Forwards LER#78-083/03L-0.
BANKS, H. R. Carolina Power & Light Co. 78/11/09. 1p. 94135:233.

--781160133 LER#78-083/03L-0 on 781014 RCIC Turbine was tripped on manual overspeed for training purposes & turbine control stop valve E31-VB would not reset. Caused by improperly worn adjusted reset lever.
TOLLISON, A. C. Carolina Power & Light Co. 78/11/09. 1p. 94135:234.

7812140158 Forwards LER#78-086/03L-0.
BANKS, H. R. Carolina Power & Light Co. 78/11/11. 1p. 94133:297.

--7812140160 LER#78-086/03L-0 on 781109 Reactor vessel chemistry exceeded Tech Spec limits for conductivity & concentration due to presence of organic compounds in condensate sys. Organic filtration & high concentration of ion resin cleanup begun.
* Carolina Power & Light Co. 78/12/11. 3pp. 94133:298.

781170209 Forwards LER#78-082/01T-0.
BANKS, H. R. Carolina Power & Light Co. 78/11/14. 1p. 94136:101.

--781170213 LER#78-082/01T-0 on 781101:util was informed by NRR of nonconformance w/10CFR50 Append A Gen Design Criteria 54 & 56 Two reactor bldg-to-torus vacuum breaker lines have never had design review by NRC Tech Spec change effective 781108.
* Carolina Power & Light Co. 78/11/14. 3pp. 94136:102.

781220183 Forwards LER#78-079/03L-0.
BANKS, H. R. Carolina Power & Light Co. 78/11/15. 1p. 94074:222.

7812070214 Forwards LER#78-081/03L-0
BANKS, H. R. Carolina Power & Light Co. 78/11/28. 1p. 03555:105.

--7812070217 LER#78-081/03L-0 on 781028 main steamline drain isolation valve B21-F019 failed to operate due to faulty brush holder in valve motor. Motor replaced & valve declared operable.
TOLLISON, A. C. Carolina Power & Light Co. 78/11/28. 1p. 03555:106.

7812070145 Forwards LER#78-080/03L-0.
BANKS, H. R. Carolina Power & Light Co. 78/11/30. 1p. 94085:345.

--7812070168 LER#78-080/03L-0 on 781101:containment oxygen monitor CAC-AT-1263 found inoperable. Caused by 2 defective Zener diodes & capacitors in oxygen analyzer transmitter.
TOLLISON, A. C. Carolina Power & Light Co. 78/11/30. 1p. 94085:346.

7812080127 Forwards LER#78-084/03L-0.
BANKS, H. R. Carolina Power & Light Co. 78/12/01. 1p. 94106:346.

--7812080130 LER#78-084/03L-0 on 781102:unit 1 reactor screamed on loss of condenser vacuum & approximately 2 hours later the torus level went over Tech Spec limit by 0.2 inches due to steam blowdown & use of RCIC after scram & operator negligence.
TOLLISON, A. C. Carolina Power & Light Co. 78/12/01. 1p. 94106:347.

7812210181 Forwards LER#78-089/03L-0.
BANKS, H. R. Carolina Power & Light Co. 78/12/14. 1p. 94278:332.

--7812210185 LER#78-089/03L-0 on 781114 during Periodic Torus HPCI EGR actuator failed to oper properly due to water hydraulic fluid corroding EGR actuator. Steam leaking past seat of valve HPCI E41-F001 allowed water into fluid.
TOLLISON, A. C. Carolina Power & Light Co. 78/12/14. 94278:333.

7812210187 Forwards LER#78-088/03L-0.
BANKS, H. R. Carolina Power & Light Co. 78/12/14. 1p.

--7812210192 LER#78-088/03L-0 on 781114: Fire hoses of Radwaste elevation fire stations were found missing due to use personnel for routine radwaste washdown. New firehoses installed & mod re alternate water supply in progress.
TOLLISON, A. C. Carolina Power & Light Co. 78/12/14. 94278:338.

7812210218 Forwards LER#78-087/03L-0.
BANKS, H. R. Carolina Power & Light Co. 78/12/14. 1p.

--7812210222 LER#78-087/03L-0 on 781114: torus level of the control sys was slightly above the allowed 27 inches. Torus level restored to normal. Torus level indicator was more clearly marked.
TOLLISON, A. C. Carolina Power & Light Co. 78/12/14. 94279:120.

7812270288 Forwards LER#78-091/03L-0.
FURR, B. J. Carolina Power & Light Co. 78/12/19. 1p. 94279:120.

--7812270292 LER#78-091/03L-0 on 781120: Senior Control Oper have completed hatch leak rate test before beginning re-startup due to misunderstanding. Test completed. OP-1 re-require leak test verification by control operators.
TOLLISON, A. C. Carolina Power & Light Co. 78/12/19. 94279:339.

DOCKET 50-326 UNIV. OF CALIFORNIA AT IRVINE RES. REACTOR

G. Inspection reports, IE Bulletins & correspondence

7812080237 Forwards Inspect Rept#50-326/78-03 on 781016 & which no items of noncompliance were noted.
CRENS, J. L. Region 5, San Francisco, Reactor Operations Support Branch. 78/10/31. 2pp. 94137:162.

--7812080238 IE Inspect Rept#50-326/78-03 on 781016 & 19 d items of noncompliance were noted. Major areas inspected: relieving related activities.
CANTER, H. L., MILLER, L. F., HORN, A. J. Region 5, San Francisco, Reactor Operations Nuclear Support Branch. 78/10/30. 94137:164.

H. Reportable occurrences, LERs & related correspondence

7812060145 Forwards incident rept on 780928 involving fire ring dropped into reactor core. Present status: ban on re-oper pending decision on whether removal of objects below the core should be attempted.
ROWLAND, F. S. California, Univ. of Irvine. 78/10/23. 94382:051.

DOCKET 50-327 BEQUOYAH NUCLEAR PLANT, UNIT 1

A. Application/construction stage documents & correspondence

7811070240 Final rept re incorrect solenoids in chem vol valves. Overly long valve stroke times due to neglect by constr personnel to follow drawings.
* Tennessee Valley Authority. 78/09/08. 1p. 94039:1.

7812210223 Summarizes 780922 Licensing Schedules Review C re status of subj Facils & the lic review process.
BOYD, R. B. Division of Project Management. DEYOUNG, R. C. Site Safety & Environmental Analysis. MATTHEW, R. J. Division Systems Safety. 78/09/28. 12pp. 03556:128.

7810110158 Forwards info & test results showing Flamemest suitable substitute for Flamemest 71-A, which is prohibited by local govt due to asbestos content.
GILLELAND, J. E. Tennessee Valley Authority. 78/10/03. 94069:201.

7810130242 Forwards request for addl info re seismic desl review of applicant's rept "Justification of Seismic Design Criteria Used for Subj Facils, Phase I & II".
BOYD, R. B. Division of Project Management. 78/10/04. 94079:171.

7810180093 Forwards statement providing addl justification of seismic design criteria used for subj facils. per NRC request of 780817. Statement supports conclusions drawn in TVA rept of 780901.
GILLELAND, J.E. Tennessee Valley Authority 78/10/06. 18pp.

7810230156 Hydrology Engr summary for subj facil as requested in 780913 L. G. Hulman ltr. Recommendations for Rev to Safety Eval Rpt is included.
BCHRIEBER, D.L. Consulting Engineering Geologist. AT-(49-24)-1283. 78/10/07. 38pp. 94164-302.

7810250120 Forwards environ monitoring rept. "Environ Radioactivity Levels, Sequoyah Nuc Plant, 1977".
GILLELAND, J.E. Tennessee Valley Authority 78/10/19 1p.

--7810230122 "Environ Radioactivity Levels, Sequoyah Nuc Plant, 1977". Since the plant has not achieved criticality, it is not contributing radioactivity to the environ. Increased levels of radiat are a result of nuc weapons testing in China.
* Tennessee Valley Authority. RH-78-4-SG1 78/09/30 45pp

781070277 Forwards "Tritium Mgt Considerations for PWRs," prepared by TVA.
GILLELAND, J.E. Tennessee Valley Authority. 78/10/19. 1p. 94040-324.

--781070281 "Tritium Mgt Considerations for PWR's" re tritium dose assessments, alternative disposal methods & TVA conclusions. Concludes that release of overwhelming majority of tritium as liquid is the preferred method of disposal.
* Tennessee Valley Authority. 78/10/19. 226pp.

781010073 Forwards results of review of environ aspects of changes to subj facil. 4 encl: description of changes, referenced tables & drawings, environ assessment of changes, copy of "Tritium Mgt Considerations for PWRs". No suppl to PEG is necessary.
GILLELAND, J.E. Tennessee Valley Authority. 78/10/30. 197pp. 94481-060.

781060094 Confirms that Solid State Protec Bys gen warning alarm circuit has been mod IAW Westinghouse Field Change Notices TVA-105953 Unit 1 & TEN-10572 Unit 2.
GILLELAND, J.E. Tennessee Valley Authority. 78/10/30. 1p. 94424-144.

781290147 Notice of 781109 meeting in Bethesda w/utl to review seismic questions & responses.
SILVER, H. Light Water Reactors Branch 4. 78/11/02. 1p. 94239-331.

781150137 Responds to 780330 & 780612 NRC request for addl info on demonstration test & forwards 3 repts on sump & spray pumps.
GILLELAND, J.E. Tennessee Valley Authority. 78/11/07. 2pp. 94272-304.

--781150176 "Study of Effects of Steam Jets & Water Jets on Emergency Bump." Concludes that air entrainment due to break at steam generator nozzle will not adversely affect functional capability of sump.
* Tennessee Valley Authority. 78/09/30. 14pp. 94272-306.

--781150196 "Model Study of Sequoyah RHR Sump." Concludes initial design of sump was satisfactory for all design conditions, incl worst-case 90% screen blockage, excepting air entrapment during initial filling.
FAIN, T.O. Tennessee Valley Authority. WM28-1-43-102. 78/10/31. 29pp. 94272-320.

--781150199 "Rev NPSH Calculations for RHR & Containment Spray Pumps Operating in Recirculation Mode." Verifies effectiveness of the containment sump & describes constr of 1:4 scale physical model w/test results.
* Tennessee Valley Authority. 78/10/27. 9pp. 94272-349.

781150152 Forwards draft response to Question#8 transmitted in 770510 NRC ltr. Response revs Amend#49 to facil FSAR & will be incl in Amend#58.
GILLELAND, J.E. Tennessee Valley Authority. 78/11/09. 18pp. 94273-015.

781210288 Notifies utl of 781205 seminar in Atlanta to discuss new Model Rod Effluent Tech Specs & encl seminar info sheet, registration form & proposed agenda.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/09. 3pp.

781160098 Responds to 780628 questions transmitted by R Boyd re FSAR. Encl responses will be incorp into Amend#58 of FSAR.
GILLELAND, J.E. Tennessee Valley Authority. 78/11/14. 3pp. 94135-091.

781160148 Responds to 770802 NRC request for info re analytical mod used to determine maximum containment temp & pressure for spectrum of postulated main steam line breaks for various reactor pwr levels.
GILLELAND, J.E. Tennessee Valley Authority 78/11/14. 29pp. 94135-265.

781210305 Forwards Amend#57 to Lic Appl.
MILLS, L.M. Tennessee Valley Authority. 78/11/15. 1p. 94487-183.

--781210310 Amend#57 to Lic Appl consisting of deletion of chapter major rev to Section 15.4 to incl ECCS Append K analysis & TVA's responses to questions 10-23 in 780628 NRC ltr.
* Tennessee Valley Authority. 78/11/17 149pp. 94487-184

7812060099 Urges timely & complete responses to NRC question to avoid further delays in preparing an acceptable SER for subj facil. Informs that earliest date SER can be issued is Feb 1979 due to numerous slippages in TVA responses.
BOYD, R.S. Division of Project Management 78/11/15 3pp. 94382-003.

7811280081 Forwards Rev#1 "Draft Radiological Effluent Tech Spec" for PWR's (NUREG-0472) & "Preparation of Radiological Effluent Tech Spec for Nuc Pur Plants" (NUREG-0133). W/encl AND: 7811270173 & 7811270180.
VABBALLO, D.B. Assistant Director for Light Water Reactors. 78/11/16 8pp. 02728-181.

7812080208 Forwards restated NRC views on seismic issues in Phase II of subj facils.
BOYD, R.S. Division of Project Management. 78/11/30. 5pp. 94109-359.

7812080091 Forwards rev response to 770510 NRC ltr & addl responses 780811 & 780628 NRC ltrs requesting info on preoper tests to be performed w/UHL sys & sequence of changeover oper from injection to recirculation.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/04. 4pp. 94108-028.

7812150350 Forwards corrections to 781106 ltr transmitting environ & seismic qual info.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/05. 1p. 94418-140.

781210142 Responds to 781115 ltr re lic sched for subj facil. Forwards list of TVA responses to NRC questions dtd 1977 & 1978. Responses to outstanding fire protec issues will be submitted by 781215. Requests issuance of SER & ACRS hearing.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/05. 9pp. 94393-258.

7812280141 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIB, J.O. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp.

7812120158 Forwards Abnormal Oper Instruct #AOI-1 for reactor trip as requested by V Benaroya on 781027. The AOI addresses use of auxiliary feedwater sys. Invites NRC to view 790121 preoper hot functional test of subj sys.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/07. 10pp. 94276-333.

7812120170 Forwards marked-up drawings of control room as requested NRC during 781027 meeting w/TVA. W/encl 3 overall drawings available in Central Files.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/07. 4pp. 94275-362.

7812150130 Forwards addl matl re Balance of Plant Class IE equip qual. Addl matl not encl.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/07. 1p. 94366-001.

7812140242 Forwards requests for addl info re containment, elec, inst control sys of subj facil.
VARQA, S.A. Light Water Reactors Branch 4. 78/12/08. 13pp. 94205-226.

7812270202 Responds to 781004 request for addl info on seismic design bases for subj facils. Info discusses sensitivity of site specific SSE response spectra dev from strong motion records & probabilities of exceeding SSE design spectra.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/19. 120pp. 94017-220.

7812290047 Summary of a 781207 meeting w/TVA re Subj Facil Environ Tech Spec
WATKINS, R V Environmental Projects Branch 1 78/12/21. 2pp
94189.359

E NRC Safety Evaluation Report (SER), suppl's & correspondence

7811020024 Rept of 780921 conference call w/TVA representatives re the resolution of 20 open instrumentation & control items in subj facil draft SER Participant list encl.
LASHER, D R Electric, Instrumentation & Control Systems Branch.
78/10/25 11pp 94335.340

F. Security, medical, emergency & fire protection plans

7810230135 Submitting second interim rept re high pressure fire protection pump failures. Redesign mechanism for locking pump impeller to pump shaft. Next rept will be submitted by 781103
GILLELAND, J.E. Tennessee Valley Authority 78/09/14. 1p
94271.173

7810300236 Notices of 781026 meeting w/TVA to discuss fire protect at subj facil
SILVER, H Light Water Reactors Branch 4. 78/10/19 3pp.
94034.038

7810310113 Forwards 780825 Physical Security Plan, revised to reflect latest changes in proposed security sys. Replaces 770310 Physical Security Plan Encl withheld (ref 10CFR2.790)
GILLELAND, J.E. Tennessee Valley Authority. 78/10/19 2pp.
94093.318

7811140134 Forwards responses to 780920 NRC ltr re Radiological Emergency Plan & quality assurance prog. Responses will be documented in Amend 5B of the FSAR
GILLELAND, J.E. Tennessee Valley Authority. 78/11/09. 13pp.
94425.250

7811130123 Forwards responses to fire protection review questions in Auxiliary Sys Branch 780901 ltr.
GILLELAND, J.E. Tennessee Valley Authority 78/11/09. 89pp
94114.149

7812180374 Summary of 781026 meeting w/applicant to discuss protect items: Containment Annulus Area, ERCH Pur Cables, Feedwater Line Water Hammer & implementation schedule
SILVER, H Light Water Reactors Branch 4 78/12/08. 6pp.
94338.200

7812210248 Forwards TVA's response to fire protect review questions #1, #12 & #13 re subj facil. Also encl are revised definition of implementation sched & minor editorial revs to TVA responses of 781109.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/19. 104pp.
94168.036

K. Utility Final Safety Analysis Report (FSAR) & amends

7810170197 Forwards affidavit certifying that on 781010, copies of Amend 5B to subj facil FSAR were served on individuals identified in affidavit by use of U.S. Mail.
MILLS, L.M. Tennessee Valley Authority. 78/10/10 2pp. 94411.256.

7811300198 Forwards cert of svc for amend 57 to subj facil FSAR
MILLS, L.M. Tennessee Valley Authority. 78/11/24. 2pp.

7812120166 Forwards mail for NRC review of subj facil's change of cleaning procedures of austenitic pipe. FSAR draft amend page 5.2-38, ref Westinghouse spec 84251NL & 597760, & ref Dept of Energy Specs. RDT F-17 are encl.
GILLELAND, J.E. Tennessee Valley Authority 78/12/07. 33pp.
94278.108

7812260131 Forwards Amend#5B to appl for subj facil FSAR, changing Chapters 5.7.8.9 & 12.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/21. 1p.
94028.226.

--7812260134 Amend#5B to FSAR, changing Chapters 5.7.8.9 & 12.
Tennessee Valley Authority. 78/12/21. 150pp. 94028.227.

P. Operating license stage documents & correspondence

7812040194 Rept on 780927 visit to facil for familiarization info. Industrial & transp facile & control room area were observed. FSAR subjects were discussed. W/list of participants
FONTECILLA, H.M. Systematic Evaluation Programs Branch (Pr)
78/11/20. 6pp 94457.122

G. Inspection reports, IE Bulletins & correspondence

7812120051 Forwards reproductions of articles that appeared Aug 1978 editions of Nuc Security Safeguards Newsletter.
KENNA, W.B. Region 2, Atlanta, Safeguards Branch. 78/11/11

7810270213 Forwards IE Inspec Repts #50-327/78-23 & #50-328/780802-03 during which no items of noncompliance were noted.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Mater Branch. 78/09/12 2pp. 94053.131

--7810270221 IE Inspec Rept#50-327/78-23 & #50-328/78-17 on during which no items of noncompliance were noted. Major areas inspected included: liquid waste sys, status of unresolved items & preoper testing.
EWALD, B.C., JACKSON, L.L. Region 2, Atlanta, Office of Director 78/09/12. 4pp. 94053.133

7811080187 Forwards IE Inspec Repts#50-327/78-22, #50-328/780802-03 during which no items of noncompliance were noted.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Mater Branch. 78/09/27. 2pp 94405.131

--7811080191 IE Inspec Repts#50-327/78-22, #50-328/78-16 on during which no items of noncompliance were noted. Major areas inspected included: preoper environ monitoring, con effects monitoring, environ controls, meteorology measure
CLANNINGHAM, A.L. Region 2, Atlanta, Fuel Facility & Mater Safety Branch. 78/09/27. 4pp. 94405.133.

7811080194 Forwards IE Inspec Rept #50-327/78-26 on 780823- which no items of noncompliance were noted.
LONG, F.J. Region 2, Atlanta, Reactor Operations Nuclear Branch. 78/09/27. 2pp. 94405.142

--7811080198 IE Inspec Repts#50-327/78-26 on 780823-25 during which no items of noncompliance were noted. Major areas inspected included: review of preoper test procedures, review of pre test packages, unresolved items, facil tour.
DYER, J.A., DONAT, T.J. Region 2, Atlanta, Reactor Operations Nuclear Support Branch. 78/09/27. 2pp. 94405.144.

7811300095 Forwards IE Inspec Repts#50-327/78-29 & #50-328/780829-30 & 780901 during which no items of noncompliance were noted.
MURPHY, C.E. Region 2, Atlanta, Reactor Construction & En Support Branch 78/10/02. 2pp. 94011.192

--7811301018 IE Inspec Repts#50-327/78-29 & #50-328/78-20 during which no items of noncompliance were noted. Major areas inspected included: procedures work activities, quality related records for safety-related components.
RAUSCH, J.K., HARRIS, J.K., HERDT, A.R. Region 2, Atlanta, Construction & Engineering Support Branch. 78/10/02. 94011.194.

7812000021 Forwards IE Inspec Rept#50-327/78-28 on 780920-2 which no items of noncompliance were noted.
LONG, F.J. Region 2, Atlanta, Reactor Operations Nuclear Branch. 78/10/13. 2pp. 94215.280.

--7812000024 IE Inspec Rept#50-327/78-28 on 780920-23 during which no items of noncompliance were noted. Major areas inspected included: preoper tests, procedures, & facil.
MARTIN, R.D., DONAT, T.J. Region 2, Atlanta, Office of Director 78/10/13. 6pp. 94215.282.

7810250095 Forwards rev 5 to "Presvc Baseline Inspec & Ins Prog", incorporating changes to Class B presvc inspecs to include only those welds & components which req insvc examination.
GILLELAND, J.E. Tennessee Valley Authority. 78/10/19.

7812050158 Forwards IE Inspec Rept#50-327/78-31 on 780919- which no items of noncompliance were noted.
LONG, F.J. Region 2, Atlanta, Reactor Operations Nuclear Branch. 78/10/23. 2pp. 94335.097.

items of noncompliance were noted. Major areas inspected incl: preoper test prog administrative controls, new fuel storage test activities in progress
WESSMAN, R. H., JENKINS, H. D. Region 2, Atlanta, Reactor Operations Nuclear Support Branch 78/10/23. 5pp 94333.099.

7812050303 Forwards IE Inspec Repts#50-327/78-30 & #50-328/78-22 on 780919-21 during which no items of noncompliance were noted.
MURPHY, C. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/10/24. 2pp 94203.044

--7812050307 IE Inspec Repts#50-327/78-30 & #50-328/78-22 on 780919-21 during which no items of noncompliance were noted. Major areas inspected incl: reactor coolant pressure boundary piping welding records & safety related structures welding.
VANDDOORN, P. K. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/10/23. 4pp. 94203.046

7812060268 Forwards IE Inspec Repts#50-327/78-24, 50-328/78-19 on 780926-29 during which no items of noncompliance were noted.
MURPHY, C. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/10/31. 2pp. 94372.241.

--7812060274 IE Inspec Repts#50-327/78-24, 50-328/78-19 on 780926-29 during which no items of noncompliance were noted. Major areas inspected incl: licensee action on previous findings, licensee identified item, instru work & QC records.
QILBONS, T. D., RUFF, A. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/10/27. 5pp. 94372.243.

7812060287 Forwards IE Inspec Repts#50-327/78-32, 50-328/78-23 on 780921-22 during which no items of noncompliance were noted.
MURPHY, C. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/10/31. 2pp. 94372.301.

--7812060291 IE Inspec Repts#50-327/78-32, 50-328/78-23 on 780921-22 during which no items of noncompliance were noted. Major areas inspected incl: action on previous findings, epoxy anchored bolts in concrete, ERCH concrete cells & pipe
HARRIS, J. R., COMPTON, R. M. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/10/31. 4pp. 94372.303.

7812130001 Forwards IE Inspec Repts#50-327/78-27 & #50-328/78-21 on 780926-29 & Notice of Violation
MURPHY, C. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch 78/11/01. 2pp 94318.266.

--7812130004 Notice of Violation from inspec on 780926-29.
* Region 2, Atlanta, Office of the Director 78/11/01. 1p 94318.268.

--7812130005 IE Inspec Repts#50-327/78-27 & #50-328/78-21 on 780926-29 during which 1 item of noncompliance was noted: Failure to document audits of all applicable elements of the QA prog.
HERDT, A. R. Region 2, Atlanta, Office of the Director.
RAUSCH, J. K., MCFARLAND, C. R. Region 2, Atlanta, Reactor Construction & Engineering Support Branch 78/11/01. 13pp. 94310.269

7811500073 Forwards IE Circular 78-18.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/06. 1p.

7812150030 Forwards IE Inspec Repts#50-327/78-34 & #50-328/78-25 on 781013 during which no items of noncompliance were noted.
MURPHY, C. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/11/07. 2pp 94210.022

--7812150040 IE Inspec Repts#50-327/78-34 & #50-328/78-25 on 781013 during which no items of noncompliance were noted. Major areas inspected incl: previously identified items concerning understrength concrete in Unit 1 & 2 shield bldg.
HARRIS, J. R., COMPTON, R. M., BRYANT, J. C. Region 2, Atlanta, Office of the Director. 78/11/02. 3pp. 94210.024.

7812050111 Ack receipt of 781025 ltr informing NRC of steps taken to correct violations noted during inspec#50-327/78-25 & #50-328/78-18.
MURPHY, C. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/11/21. 1p. 94333.175.

--7812050117 Responds to 781002 NRC ltr re violations noted in Inspec Repts#50-327/78-25 & #50-328/78-18. This is rev in response w/addl info as requested. Corrective actions: several steps & to be taken are detailed re installation of proper snubbers.
QILLELAND, J. E. Tennessee Valley Authority 78/11/14. App. 94333.176

Repts#50-327/78-25 & #50-328/78-18 Corrective actions: paint removed from grease fittings of snubber, proper lubrication documented, debris removed from spring can of support
QILLELAND, J. E. Tennessee Valley Authority 78/10/25. 3pp. 94333.180.

--7812050140 Forwards IE Inspec Repts#50-327/78-25 & #50-328/78-18 on 780808-11 & Notice of Violation.
MURPHY, C. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/10/02. 3pp 94333.183.

--7812050147 Notice of Violation from inspec on 780808-11
* Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/10/02. 1p. 94333.186.

--7812050150 IE Inspec Repts#50-327/78-25 & #50-328/78-18 on 780808-11 during which 1 item of noncompliance was noted: failure to follow procedures during hanger installation.
ANG, W. P., BRYANT, J. C. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/07/29. 3pp. 94333.187.

7812040369 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
W/encl AND 7811300055.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/11/21. 1p.

7812060065 Ack receipt of 781130 ltr informing NRC of steps taken to correct violations noted during insp 50-327/78-14 & 50-328/78-10.
MURPHY, C. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch 78/11/30. 1p. 94232.264

--7812060074 Responds to 781002 NRC ltr requesting addl info re violations noted in Inspec Repts#50-327/78-14 & 50-328/78-10. Corrective actions: employees instructed to protect permanent equip incl instru tubing & stainless steel piping from arc damage.
QILLELAND, J. E. Tennessee Valley Authority. 78/11/09. App. 94232.265

7812070177 Forwards responses to 781111 IE Insp Repts 50-327/78-27 & 50-328/78-21, re QA unit audits. Contents full compliance has been maintained. Firm audit policy has been established.
QILLELAND, J. E. Tennessee Valley Authority. 78/11/30. 3pp. 94375.025.

7812270229 Forwards IE Bulletin 78-14.
O'REILLY, J. P. Region 2, Atlanta, Office of the Director. 78/12/11. 2pp. 94017.131.

7812290114 Ack receipt of 781207 ltr informing NRC of steps taken to correct violations noted during inspec#50-327/78-33 & #50-328/78-24.
MURPHY, C. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch 78/12/20. 1p. 94190.188

--7812290117 Responds to 781116 NRC ltr re violations noted in Inspec Repts#50-327/78-33 & #50-328/78-24. Corrective actions: closer surveillance over maintenance of oven temp logs.
QILLELAND, J. E. Tennessee Valley Authority. 78/12/07. 2pp. 94190.189

--7812290122 Forwards IE Inspec Repts#50-327/78-33 & #50-328/78-24 on 781025-27 & Notice of Violation.
MURPHY, C. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/11/16. 2pp. 94190.191.

--7812290125 Notice of Violation from inspec on 781025-27.
* Region 2, Atlanta, Office of the Director. 78/11/16. 1p. 94190.193.

--7812290128 IE Inspec Repts#50-327/78-33 & #50-328/78-24 on 781025-27 during which 1 item of noncompliance was noted: failure to log welding rod oven temp.
VANDDOORN, P. K., CONLON, T. E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/11/16. 3pp. 94190.194.

B. Reportable occurrences, LERs & related correspondence

7810702036 Forwards final deficiency rept re incorrect solenoids on valves
QILLELAND, J. E. Tennessee Valley Authority. 78/09/08. 1p. 94039.187.

7810190164 Submits first interim rept re failure to provide electrically qualified path for makeup to spent fuel storage facil. Proposal under study to install qualified line & necessary valves from common discharge of pumps.
QILLELAND, J. E. Tennessee Valley Authority. 78/09/14. 2pp. 94414.103.

781030263 Forwards First Interim Rept re difference between Plant Configuration & Drawing NCR-2p.

GILLELAND, J.E. Tennessee Valley Authority. 78/10/16 1p.
02725:256

--781030265 First Interim Rept of Deficiency NCR 2p: "Plant Configuration Different than Drawings of Record", due to error to TVA drawing certification process.

GILLELAND, J.E. Tennessee Valley Authority 78/10/16 1p.
02725:257.

781070276 Third Interim Rept re Diesel Generator Hydraulic Actuator Motors. States that supplier has instructed governor mfg to test governor speed control motor. Next rept will be submitted 781220.

GILLELAND, J.E. Tennessee Valley Authority. 78/10/03 1p.
94040:299.

7812040192 Forwards final rept re incomplete documentation of seismic qual of elec penetrations.

GILLELAND, J.E. Tennessee Valley Authority. 78/10/20 1p.
94457:118.

--7812040197 Final rept re incomplete documentation of seismic qual of elec penetrations. Documentation written per old TVA requirements. Current construct will withstand all design loadings & no changes in hardware are req.

* Tennessee Valley Authority. 78/10/20. 1p. 94457:119.

7812010266 Forwards final deficiency rept re failure of sump valves to open during automatic switchover testing.

GILLELAND, J.E. Tennessee Valley Authority. 78/10/26 1p.
94417:134.

--7812010268 Final rept on failure of sump valves to open during automatic switchover testing. Circuitry design was inadequate & schematics have been corrected. Correction will be tested before unit oper.

* Tennessee Valley Authority. 78/10/26. 1p. 94417:135.

781060063 Forwards final rept re reportable deficiency re OEDC OA audit #77-7.

GILLELAND, J.E. Tennessee Valley Authority. 78/10/30. 1p.

7812050265 Forwards final deficiency rept re seismically qual path for makeup to spent fuel storage facil.

GILLELAND, J.E. Tennessee Valley Authority. 78/11/03. 1p.
94202:163.

--7812050270 Final deficiency rept: seismically qual path for makeup to spent fuel storage facil not provided due to improper design. Line & valves will be installed & seismically qual.

* Tennessee Valley Authority. 78/11/03. 1p. 94202:164.

7812060121 Forwards final deficiency rept on Control Room Back Draft Damper Failure.

GILLELAND, J.E. Tennessee Valley Authority. 78/11/08. 1p.
94332:227.

--7812060129 Final Rept: failure of Back Draft Damper in Main Control Room Air Handling Unit discovered during routine mod of sys.

Damper lost all blades due to excessive blade bearing wear.
Failed dampers replaced w/high-pressure units.

* Tennessee Valley Authority. 78/11/08. 1p.

7812140286 Forwards revised final rept "Deficient Foundation Preparation for Concrete Cells for the ERCW Pumping Station Access Roadway."

GILLELAND, J.E. Tennessee Valley Authority. 78/11/29. 1p.
03557:359.

--7812140288 Revised rept "Deficient Foundation Preparation for Concrete Cells for the ERCW Pumping Station Access Roadway."

GILLELAND, J.E. Tennessee Valley Authority. 78/11/29. 3pp.
03557:360.

DOCKET 50-328 BEQUOYAH NUCLEAR PLANT, UNIT 2

A. Application/construction stage documents & correspondence

7812060099 Urges timely & complete responses to NRC question to avoid further delays in preparing an acceptable BER for subj facil. Informs that earliest date BER can be issued is Feb 1979 due to numerous slippages in TVA responses.

BOYD, R.B. Division of Project Management. 78/11/15. 3pp.
94382:003.

7812080091 Forwards rev response to 770510 NRC ltr & addl r 780811 & 780628 NRC ltr requesting info on proper tests to be performed w/UH1 sys & sequence of changeover oper from injection to recirculation.

GILLELAND, J.E. Tennessee Valley Authority. 78/12/04. 4
94108:028

7812080208 Forwards restated NRC views on seismic issues in of subj facil.

BOYD, R.B. Division of Project Management. 78/11/30. 5p.
94109:355

781210142 Responds to 781115 ltr re lic sched for subj facil. list of TVA responses to NRC questions dtd 1977 & 1978.

Response to outstanding fire protic issues will be submitted by 781215. Requests issuance of SER & ACRS hearing.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/06. 5
94393:258.

7812120158 Forwards Abnormal Oper Instruc #A01-1 for reactor requested by V Benaroya on 781027. The AOI addresses use of auxiliary feedwater sys. Invites NRC to view 780121 preoper hot functional test of subj sys.

GILLELAND, J.E. Tennessee Valley Authority. 78/12/07. 1
94276:333.

781070240 Final rept re incorrect solenoids in chem vol & valves. Overly long valve stroke times due to neglect by constr personnel to follow drawings.

* Tennessee Valley Authority. 78/09/08. 1p. 94039:185

7812210323 Summarizes 780922 Licensing Schedules Review Committee status of subj Facils & the lic review process.

BOYD, R.B. Division of Project Management. 78/09/28. 12

7810110158 Forwards info & test results showing Flammability suitable substitute for Flammability 71-A which is prohibited by local govts due to asbestos content.

GILLELAND, J.E. Tennessee Valley Authority. 78/10/03. 2
94069:201.

7810130262 Forwards request for addl info re seismic design review of applicant's rept "Justification of Seismic Design Criteria Used for Subj Facils, Phase I & II".

BOYD, R.B. Division of Project Management. 78/10/04. 5p.
94079:171.

7810180093 Forwards statement providing addl justification design criteria used for subj facils per NRC request of 780817. Statement supports conclusions drawn in TVA rept 780301.

GILLELAND, J.E. Tennessee Valley Authority. 78/10/06. 1

7810230156 Hydrology Engr summary for subj facil as requested L.O. Hulman ltr. Recommendations for Rev to Safety Eval Rept is included.

SCHRIEBER, D.L. Consulting Engineering Geologist. AT-(4)
78/10/07. 38pp. 94164:302.

7810250120 Forwards environ monitoring rept. "Environ Radio Levels, Bequoyah Nuc Plant, 1977".

GILLELAND, J.E. Tennessee Valley Authority. 78/10/19.

--7810250122 "Environ Radioactivity Levels, Bequoyah Nuc Pl. Since the plant has not achieved criticality, it is not contributing radioactivity to the environ. Increased level of radiat are a result of nuc weapons testing in China.

* Tennessee Valley Authority. RH-78-4-801. 78/09/30.

781070277 Forwards "Tritium Mgt Considerations for PWRs." TVA.

GILLELAND, J.E. Tennessee Valley Authority. 78/10/19.
94040:324.

--781070281 "Tritium Mgt Considerations for PWR's" re tri assessments, alternative disposal methods & TVA conclusions. Concludes that release of overwhelming majority of tri as liquid is the preferred method of disposal.

* Tennessee Valley Authority. 78/10/19. 226pp.

781010073 Forwards results of review of environ aspects of subj facil. 4 encl: description of changes, referenced tabl & drawings, environ assessment of changes, copy of "Tritium Mgt Considerations for PWRs". No suppl to FEB is necessary.

GILLELAND, J.E. Tennessee Valley Authority. 78/10/30.
94481:060.

7811040094 Confirms that Solid State Protec Sys gen warning alarm circuit has been mod IAH Westinghouse Field Change Notices TVA-105955 Unit 1 & TEN-10572 Unit 2.
GILLELAND, J.E. Tennessee Valley Authority. 78/10/30. 1p. 94424.144.

7811290147 Notice of 781109 meeting in Bethesda w/util to review seismic questions & responses.
SILVER, H. Light Water Reactors Branch 4. 78/11/02. 1p. 94239.331.

7811150137 Responds to 780330 & 780612 NRC request for addl info on demonstration test & forwards 3 repts on sump & spray pumps.
GILLELAND, J.E. Tennessee Valley Authority. 78/11/07. 2pp. 94272.304.

--7811150176 "Study of Effects of Steam Jets & Water Jets on Emergency Bump." Concludes that air entrainment due to break at steam generator nozzle will not adversely affect functional capability of sump.
* Tennessee Valley Authority. 78/09/30. 14pp. 94272.306.

--7811150196 "Model Study of Sequoyah RHR Bump." Concludes initial design of sump was satisfactory for all design conditions, incl worst-case 50% screen blockage, excepting air entrapment during initial filling.
FAIN, T.O. Tennessee Valley Authority. WM28-1-48-102. 78/10/31. 29pp. 94272.320.

--7811150199 "Rev NPSH Calculations for RHR & Containment Spray Pumps Operating in Recirculation Mode." Verifies effectiveness of the containment sump & describes constr of 1:4 scale physical model w/test results.
* Tennessee Valley Authority. 78/10/27. 9pp. 94272.349.

7811150152 Forwards draft response to Question#8 transmitted in 770510 NRC ltr. Response revs Amend#49 to facil FSAR & will be incl in Amend#58.
GILLELAND, J.E. Tennessee Valley Authority. 78/11/09. 10pp. 94273.015.

7811210288 Notifies util of 781205 seminar in Atlanta to discuss new Model Rod Effluent Tech Specs & encl seminar info sheet, registration form & proposed agenda.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/09. 3pp.

7811160098 Responds to 780628 questions transmitted by R Boyd re FSAR. Encl responses will be incorp into Amend#58 of FSAR.
GILLELAND, J.E. Tennessee Valley Authority. 78/11/14. 3pp. 94135.091.

7811160148 Responds to 770802 NRC request for info re analytical model used to determine maximum containment temp & pressure for spectrum of postulated main steam line breaks for various reactor pur levels.
GILLELAND, J.E. Tennessee Valley Authority. 78/11/14. 29pp. 94135.265.

7811210305 Forwards Amend#57 to Lic Appl.
MILLS, L.M. Tennessee Valley Authority. 78/11/15. 1p. 94487.183.

--7811210310 Amend#57 to Lic Appl consisting of deletion of chapter 16, major rev to Section 15.4 to incl ECCB Append K analysis & TVA's responses to questions 10-23 in 780628 NRC ltr.
* Tennessee Valley Authority. 78/11/17. 149pp. 94487.184.

7811280081 Forwards Rev#1 "Draft Radiological Effluent Tech Spec" for PWR's (NUREG-0472) & "Preparation of Radiological Effluent Tech Spec for Nuc Pur Plants" (NUREG-0133). W/encl AND: 7811270173 & 7811270180.
VASSALLO, D.B. Assistant Director for Light Water Reactors. 78/11/16. 6pp. 02728.181.

7812150350 Forwards corrections to 781106 ltr transmitting environ & seismic qual info.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/08. 1p. 94418.140.

7812280141 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIES, J.O. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp.

7812120170 Forwards marked-up drawings of control room as requested by NRC during 781027 meeting w/TVA. W/encl 3 oversize drawings available in Central Files.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/07. 4pp. 94275.362.

7812180130 Forwards addl matl re Balance of Plant Class IE equip qual. Addl matl not encl.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/07. 1p. 94366.001.

7812140242 Forwards requests for addl info re containment, elec. inst. control sys of subj facil.
VARGA, S.A. Light Water Reactors Branch 4. 78/12/08. 13pp. 94203.226.

7812270202 Responds to 781004 request for addl info on seismic design bases for subj facili. Info discusses sensitivity of site specific SSE response spectra dev from strong motion records & probabilities of exceeding SSE design spectra.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/19. 120pp. 94017.220.

7812290047 Summary of a 781207 meeting w/TVA re Subj Facil Environ Specs.
WATKINS, R.V. Environmental Projects Branch 1. 78/12/21. 2pp. 94189.339.

E NRC Safety Evaluation Report (SER), suppl's & correspondence

7811020024 Rept of 780921 conference call w/TVA representatives re the revoluton of 20 open instrumentation & control items in subj facil draft SER. Participant list encl.
LASHER, D.R. Electric, Instrumentation & Control Systems Branch. 78/10/25. 11pp. 94355.340.

F. Security, medical, emergency & fire protection plans

7810230135 Submitting second interim rept re high pressure fire protection pump failures. Redesignated mechanism for locking pump impeller to pump shaft. Next rept will be submitted by 781103.
GILLELAND, J.E. Tennessee Valley Authority. 78/09/14. 1p. 94271.173.

7810300236 Notifies of 781026 meeting w/TVA to discuss fire protection subj facil.
SILVER, H. Light Water Reactors Branch 4. 78/10/19. 3pp. 94034.038.

7810310113 Forwards 780825 Physical Security Plan, revised to reflect latest changes in proposed security sys. Replaces 770510 Physical Security Plan. Encl withheld (ref 10CFR2.790).
GILLELAND, J.E. Tennessee Valley Authority. 78/10/19. 2pp. 94093.318.

7811140134 Forwards responses to 780920 NRC ltr re Radiological Emergency Plan & quality assurance prog. Responses will be documented in Amend 58 of the FSAR.
GILLELAND, J.E. Tennessee Valley Authority. 78/11/09. 15pp. 94425.250.

7811150123 Forwards responses to fire protection review questions 1 Auxiliary Sys Branch 780901 ltr.
GILLELAND, J.E. Tennessee Valley Authority. 78/11/09. 85pp. 94114.149.

7812180374 Summary of 781026 meeting w/applicant to discuss protection items: Containment Annulus Area, ERGW Pur Cables, Feedwater Line Water Hammer & implementation schedule.
SILVER, H. Light Water Reactors Branch 4. 78/12/08. 6pp. 94358.200.

7812210248 Forwards TVA's responses to fire protection review questions #12 & #13 re subj facil. Also encl are revised definition of implementation sched & minor editorial revs to TVA responses of 781109.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/19. 104pp. 94168.056.

K. Utility Final Safety Analysis Report (FSAR) & amends

7812120166 Forwards matl for NRC review of subj facil's change of cleaning procedures of austenitic pipe. FSAR draft amend page 5.2-38, re Westinghouse specs 84351NL & 597760, & ref Dept of Energy Specs. RDT F-1T are encl.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/07. 33pp. 94218.108.

7810170197 Forwards affidavit certifying that on 781010, copies of A 56 to subj facil FSAR were served on individuals identified in affidavit by use of U.S. Mail.
MILLS, L.M. Tennessee Valley Authority. 78/10/10. 2pp. 94411.2

7811300198 Forwards cert of svc for amend 57 to sub; facil FSAR.
MILLS, L.M. Tennessee Valley Authority. 78/11/24. 2pp.

7812260131 Forwards Amend#58 to appl for sub; Facil FSAR, changing
Chapters 5.7, 6.9 & 12.
GILLELAND, J.E. Tennessee Valley Authority. 78/12/21. 1p.
94028:226

--7812260134 Amend#58 to FSAR, changing Chapters 5.7, 6.9 & 12.
* Tennessee Valley Authority. 78/12/21. 130pp. 94028:227.

G Inspection reports, IE Bulletins & correspondence

7812120081 Forwards reproductions of articles that appeared in June &
Aug 1978 editions of Nuc Security Safeguards Newsletter.
KENNA, W.B. Region 2, Atlanta, Safeguards Branch. 78/11/17. 4pp.

7810270213 Forwards IE Inspec Repts #50-327/78-23 & #50-328/78-17 on
780802-03 during which no items of noncompliance were noted.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety
Branch. 78/09/12. 2pp. 94033:131.

--7810270221 IE Inspec Repts#50-327/78-23 & #50-328/78-17 on 780802-03
during which no items of noncompliance were noted. Major
areas inspected included: liquid waste sys, status of
unresolved items & prepser testing.
EWALD, B.C., JACKSON, L.L. Region 2, Atlanta, Office of the
Director. 78/09/12. 4pp. 94053:133.

7811080187 Forwards IE Inspec Repts#50-327/78-22, #50-328/78-16 on
780802-03 during which no items of noncompliance were noted.
SUTHERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety
Branch. 78/09/27. 2pp. 94405:131.

--7811080191 IE Inspec Repts#50-327/78-22, #50-328/78-16 on 780802-03
during which no items of noncompliance were noted. Major
areas inspected included: proper environ monitoring, constr
effects monitoring, environ controls, meteorology measurement.
CUNNINGHAM, A.L. Region 2, Atlanta, Fuel Facility & Materials
Safety Branch. 78/09/27. App. 94405:133.

7811130095 Forwards IE Inspec Repts#50-327/78-29 & #50-328/78-20 on
780829-30 & 780901 during which no items of noncompliance
were noted.
MURPHY, C.E. Region 2, Atlanta, Reactor Construction & Engineering
Support Branch. 78/10/02. 2pp. 94011:192.

--7811130108 IE Inspec Repts#50-327/78-29 & #50-328/78-20 on 780829-30
during which no items of noncompliance were noted. Major
areas inspected included: procedures work activities, quality
related records for safety-related components.
RAUSCH, J.W., HARRIS, J.K., HERDT, A.R. Region 2, Atlanta, Reactor
Construction & Engineering Support Branch. 78/10/02. 7pp.
94011:194.

7810250095 Forwards rev B to "Presvc Baseline Inspec & Insvc Inspec
Prog", incorporating changes to Class B presvc inspecs to
include only those welds & components which req insvc
examination.
GILLELAND, J.E. Tennessee Valley Authority. 78/10/19. App.

7812050303 Forwards IE Inspec Repts#50-327/78-30 & #50-328/78-22 on
780919-21 during which no items of noncompliance were noted.
MURPHY, C.E. Region 2, Atlanta, Reactor Construction & Engineering
Support Branch. 78/10/24. 2pp. 94203:044.

--7812050307 IE Inspec Repts#50-327/78-30 & #50-328/78-22 on 780919-21
during which no items of noncompliance were noted. Major
areas inspected incl: reactor coolant pressure boundary
piping welding records & safety related structures welding.
VANDOORN, P.K. Region 2, Atlanta, Reactor Construction &
Engineering Support Branch. 78/10/23. 4pp. 94203:046.

7812060268 Forwards IE Inspec Repts#50-327/78-24, 50-328/78-19 on
780926-29 during which no items of noncompliance were noted.
MURPHY, C.E. Region 2, Atlanta, Reactor Construction & Engineering
Support Branch. 78/10/31. 2pp. 94372:241.

--7812060274 IE Inspec Repts#50-327/78-24, 50-328/78-19 on 780926-29 during
which no items of noncompliance were noted. Major areas
inspected incl: licensee action on previous findings, licensee
identified item, instru work & QC records.
GIBBONS, T.D., RUFF, A. Region 2, Atlanta, Reactor Construction &
Engineering Support Branch. 78/10/27. 5pp. 94372:243.

7812060287 Forwards IE Inspec Repts#50-327/78-32, 50-328/78-23 on
780921-22 during which no items of noncompliance were noted.
MURPHY, C.E. Region 2, Atlanta, Reactor Construction & Engineering
Support Branch. 78/10/31. 2pp. 94372:301.

--7812060291 IE Inspec Repts#50-327/78-32, 50-328/78-23 on 780921-22
during which no items of noncompliance were noted. Major
areas inspected incl: action on previous inspec findings,
epoxy anchored bolts in concrete, ERW concrete cells & pipe.
HARRIS, J.R., COMPTON, R.M. Region 2, Atlanta, Reactor Construction
& Engineering Support Branch. 78/10/31. App. 94372:303.

7812130001 Forwards IE Inspec Repts#50-327/78-27 & #50-328/78-21 on
780926-29 & Notice of Violation
MURPHY, C.E. Region 2, Atlanta, Reactor Construction & Engineering
Support Branch. 78/11/01. 2pp. 94318:266.

--7812130004 Notice of Violation from inspec on 780926-29.
* Region 2, Atlanta, Office of the Director. 78/11/01. 1p.
94318:268

--7812130005 IE Inspec Repts#50-327/78-27 & #50-328/78-21 on 780926-29
during which 1 item of noncompliance was noted: failure to
document audits of all applicable elements of the QA prog.
HERDT, A.R. Region 2, Atlanta, Office of the Director.
RAUSCH, J.W., MCFARLAND, C.R. Region 2, Atlanta, Reactor
Construction & Engineering Support Branch. 78/11/01. 13pp.
94318:269.

7811130073 Forwards IE Circular 78-18.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/06.
1p.

7812130030 Forwards IE Inspec Repts#50-327/78-34 & #50-328/78-25 on
781013 during which no items of noncompliance were noted.
MURPHY, C.E. Region 2, Atlanta, Reactor Construction & Engineering
Support Branch. 78/11/07. 2pp. 94210:022.

--7812130040 IE Inspec Repts#50-327/78-34 & #50-328/78-25 on 781013
during which no items of noncompliance were noted. Major
areas inspected incl: previously identified items concerning
understrength concrete in Unit 1 & 2 shield bldg.
HARRIS, J.R., COMPTON, R.M., BRYANT, J.C. Region 2, Atlanta, Office
of the Director. 78/11/02. 3pp. 94210:024.

7812050111 Ack receipt of 781029 ltr informing NRC of steps taken to
correct violations noted during Inspec#50-327/78-25 &
#50-328/78-18.
MURPHY, C.E. Region 2, Atlanta, Reactor Construction & Engineering
Support Branch. 78/11/21. 1p. 94333:173.

--7812050117 Response to 781002 NRC ltr re violations noted in Inspec
Repts#50-327/78-25 & #50-328/78-18. This is rev in response
w/addl info as requested. Corrective actions: several steps &
to be taken are detailed re installation of proper snubbers.
GILLELAND, J.E. Tennessee Valley Authority. 78/11/14. 4pp.
94333:176.

--7812050125 Response to 781002 NRC ltr re violation noted in Inspec
Repts#50-327/78-25 & #50-328/78-18. Corrective actions: paint
removed from grease fittings of snubber, proper lubrication
documented, debris removed from spring can of support.
GILLELAND, J.E. Tennessee Valley Authority. 78/10/28. 3pp.
94333:180.

--7812050140 Forwards IE Inspec Repts#50-327/78-25 & #50-328/78-18 on
780808-11 & Notice of Violation.
MURPHY, C.E. Region 2, Atlanta, Reactor Construction & Engineering
Support Branch. 78/10/02. 3pp. 94333:183.

--7812050147 Notice of Violation from inspec on 780808-11.
* Region 2, Atlanta, Reactor Construction & Engineering Support
Branch. 78/10/02. 1p. 94333:186.

--7812050150 IE Inspec Repts#50-327/78-25 & #50-328/78-18 on 780808-11
during which 1 item of noncompliance was noted: failure to
follow procedures during hanger installation.
AND, W.P., BRYANT, J.C. Region 2, Atlanta, Reactor Construction &
Engineering Support Branch. 78/09/29. 5pp. 94333:187.

7812040369 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
W/enc1 AND: 7811300055.
O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/11/24.
1p.

7812040065 Ack receipt of 781130 ltr informing NRC of steps taken to
correct violations noted during insp 50-327/78-14 &
50-328/78-10.
MURPHY, C.E. Region 2, Atlanta, Reactor Construction & Engineering
Support Branch. 78/11/30. 1p. 94232:264.

DOCKETED ITEMS

--7812060074 Responds to 781002 NRC ltr requesting addl info re violation noted in Inspec Repts#50-327/78-14 & 50-328/78-10. Corrective actions: employees instructed to protect permanent equip incl instru tubing & stainless steel piping from arc damage. GILLELAND, J.E. Tennessee Valley Authority. 78/11/09. 4pp. 94232:265.

7812070177 Forwards responses to 781111 IE Insp Repts 50-327/78-27 & 50-328/78-21, re GA unit audits. Contends full compliance has been maintained. Firm audit policy has been established. GILLELAND, J.E. Tennessee Valley Authority. 78/11/30. 3pp. 94375:025.

7812270229 Forwards IE Bulletin 78-14. O'REILLY, J.P. Region 2, Atlanta, Office of the Director. 78/12/19. 2pp. 94017:131.

7812290114 Ack receipt of 781207 ltr informing NRC of steps taken to correct violations noted during Inspec#50-327/78-33 & #50-328/78-24. MURPHY, C.E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/12/20. 1p. 94190:188.

--7812290122 Forwards IE Inspec Repts#50-327/78-33 & #50-328/78-24 on 781025-27 & Notice of Violation. MURPHY, C.E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/11/16. 2pp. 94190:191.

--7812290125 Notice of Violation from Inspec on 781025-27. * Region 2, Atlanta, Office of the Director. 78/11/16. 1p. 94190:193

--7812290128 IE Inspec Repts#50-327/78-33 & #50-328/78-24 on 781025-27 during which 1 item of noncompliance was noted: failure to log welding rod oven temp. VANDORRN, P.K., CONLON, T.E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/11/16. 3pp. 94190:194.

B Reportable occurrences, LERs & related correspondence

7812010266 Forwards final deficiency rept re failure of sump valves to open during automatic switchover testing. GILLELAND, J.E. Tennessee Valley Authority. 78/10/26. 1p. 94417:134.

--7812010268 Final rept on failure of sump valves to open during automatic switchover testing. Circuitry design was inadequate & schematics have been corrected. Correction will be tested before unit oper. * Tennessee Valley Authority. 78/10/26. 1p. 94417:135.

7812140288 Revised rept "Deficient Foundation Preparation for Concrete Cells for the ERCW Pumping Station Access Roadway." GILLELAND, J.E. Tennessee Valley Authority. 78/11/29. 3pp. 03557:360.

781070236 Forwards final deficiency rept re incorrect solenoids on valves. GILLELAND, J.E. Tennessee Valley Authority. 78/09/08. 1p. 94039:187.

7810190164 Submits first interim rept re failure to provide seismically qualified path for makeup to spent fuel storage facil. Proposal under study to install qualified line & necessary valves from common discharge of pumps. GILLELAND, J.E. Tennessee Valley Authority. 78/09/14. 2pp. 94414:103.

781030263 Forwards First Interim Rept re difference between Plant Configuration & Drawing NCR-2p. GILLELAND, J.E. Tennessee Valley Authority. 78/10/16. 1p. 02725:266.

--781030265 First Interim Rept of Deficiency NCR 2p: "Plant Configuration Different than Drawings of Record", due to error to TVA drawing certification process. GILLELAND, J.E. Tennessee Valley Authority. 78/10/16. 1p. 02725:257.

781070276 Third Interim Rept re Diesel Generator Hydraulic Actuator Motors. States that supplier has instructed governor mfg to test governor speed control motor. Next rept will be submitted 781220. GILLELAND, J.E. Tennessee Valley Authority. 78/10/09. 1p. 94040:299.

7812040192 Forwards final rept re incomplete documentation of seismic qual. of elec penetrations.

--7812040197 Final rept re incomplete documentation of seismic qual of elec penetrations. Documentation written per old TVA requirements. Current construct will withstand all design loadings & no changes in hardware are req. * Tennessee Valley Authority. 78/10/20. 1p. 94457:119.

7812050265 Forwards final deficiency rept re seismically qual path for makeup to spent fuel storage facil. GILLELAND, J.E. Tennessee Valley Authority. 78/11/03. 1p. 94202:163.

--7812050270 Final deficiency rept: seismically qual path for makeup to spent fuel storage facil not provided, due to improper design. Line & valves will be installed & seismically qual. * Tennessee Valley Authority. 78/11/03. 1p. 94202:164.

7812060121 Forwards final deficiency rept on Control Room Back Draft Damper Failure. GILLELAND, J.E. Tennessee Valley Authority. 78/11/08. 1p. 94332:227.

--7812060129 Final Rept: Failure of Back Draft Damper in Main Control Room Air Handling Unit discovered during routine mod of sys. Damper lost all blades due to excessive blade bearing wear. Failed dampers replaced w/high-pressure units. * Tennessee Valley Authority. 78/11/08. 1p.

7812140286 Forwards revised final rept "Deficient Foundation Preparation for Concrete Cells for the ERCW Pumping Station Access Roadway." GILLELAND, J.E. Tennessee Valley Authority. 78/11/29. 1p. 03557:359.

DOCKET 50-329 MIDLAND PLANT, UNIT 1

A. Application/construction stage documents & correspondence

7810270024 Forwards I & E Initial Rept on Response to Bulletin 77-09/05A re Use of Elec Connectors: appropriate Bds should be notified where there is a question re use of connectors in safety sys; 780207 memo also encl. TEDESCO, R.L. Assistant Director for Plant Systems. 78/02/08. 1p.

--7810270246 Forwards "Status of Responses From Licensees of Plants u Construct to Bulletins 77-05 & 05A". MOSELEY, N.C. Division of Reactor Construction Inspection. 78/02/07. 3pp.

7810310061 Forwards preliminary chart on results of land use survey completed last year re building & housing trends in Midland County 1969-1977. * Midland County, MI. 78/04/10. 3pp. 94093:179.

7810140006 Notice of time & agenda change for meeting on 781025 to discuss augmented invsc Inspec & testing of pumps & valves. HOOD, D. Light Water Reactors Branch 4. 78/09/23. 3pp. 94329:097.

7810120072 Forwards B&W rept "Analysis of Bearing Failure in LM&O 9000 HP Vertical Pump Motor Resulting From Oil Cooler Failure" prepared for CPC. Rept available in CF only. DOWELL, S. Consumers Power Co. 78/10/05. 1p. 94470:345.

--7810120077 "Analysis of Bearing Failure in LM&O 9000HP Vertical Pump Motor Resulting from Oil Cooler Failure" prepared by B&W for CPC, & forwarded to NRC. Determines Kingsbury thrust bearing to be critical component in event of oil cooler failure. * Babcock & Wilcox Co. 77/10/10. 107pp.

7810130231 Forwards archaeological site survey for Midland County, MI to be added to minutes of Beginaw meeting of 780906. BRUNETT, F.V. Beginaw Archaeological Commission. 78/10/05. 11pp.

7810200128 Requests addl info as result of site visit to subj facil in order to review environ factors. Response should be submitted by 781025. Response should be suppl to Environ Rept. REGAN, W.H. Environmental Projects Branch 2. 78/10/11. 9pp. 94366:310.

7810230375 Believes that there is a potential problem w/Class IE battery racks supplied to subj facil. Addl isolation bar for seismic protect will be available for retrofit w/in 60 days. MCHAMUS, C.K. ESB, Inc. 78/10/11. 1p. 94271:184.

7810190066 Forwards duplicate of original 780629 ltr containing affidavit re proprietary response to request for addl info. Ltr not previously received.

781010036 CPC request to withhold as proprietary section 4.C of their
Gen Agreement w/Dow of 780621 per 10CFR2790 is granted.
LYNCH, D.D. Environmental Projects Branch 2 78/10/12. 2pp.
94389:160

7810240013 Forwards summary dtd 780327. "Summary of March 21-22, 1978
meeting & site visit", for the info of the NRC.
TOURTELLOTT, J. Office of the Executive Legal Director. 78/10/13.
1p.

--7810240017 Summary of 780321 & 22 meeting w/util in Midland, MI re
facility const completion schedule.
CROCKER, L.P. Division of Project Management. 78/03/27. 13pp.

7810240213 Requests addl info for FSAR review w/encl questionnaire.
VARGA, S.A. Light Water Reactors Branch 4. 78/10/13. 80pp.

7810250199 Rpts on site visit to subg facil during week of 780909.
Encloses summarized schedule of week's activities &
principal personnel contacted.
LYNCH, D.D. Environmental Projects Branch 2 78/10/13. 15pp.
94392:205

7810250099 Forwards encl preliminary rept "Preliminary Pump & Valve
Inservice Testing Program for CPC Midland Plants Units 1 &
2." Submitted in response to NRC question re FSAR Plan in
part to form basis of 781025 meeting w/NRC.
HOWELL, S.H. Consumers Power Co. 78/10/18. 2pp.

--7810250100 "Pump & Valve Insvc Testing Prog" covering definitions of
operational modes, pump summary listing legend & requests for
relief from Section XI requirements.
PETERSEN, T.A., RICE, R.M., BUCZKOWSKI, T.A. Consumers Power Co.
78/10/18. 123pp.

7810250131 Requests addl info re estimated GNP annual growth & QM
vehicle product growth rates used to forecast QM elec sales.
REGAN, W.H. Environmental Projects Branch 2. 78/10/18. 3pp.
94392:260.

7810800015 Responds to 781011 NRC request for addl info re 2 items of
noncompliance noted in 780817 NRC ltr. Encl 781020 ltr from
Bechtel to CPC discusses document control stamping & removal
of void drawings from files.
HOWELL, S.H. Consumers Power Co. 78/10/20. 3pp. 94398:035.

7810270199 Response to 781004 FOIA request for documents re completion
dates for subg facil & detailed plant-specific analysis.
Forwards requested documents w/encl list of documents.
FELTON, J.M. Division of Rules and Records. 78/10/23. 2PP.
94056:308.

7810270201 FOIA request for documents re estimated const completion
dates for subg facil & "detailed plant-specific analysis" of
those units.
DOM, W. Public Interest Research Group. 78/10/04. 1p. 94056:310.

7810310293 Approves request for withholding section 4.C of the Gen
Agreement between Dow Chem & util re price of energy sold to
util under agreement. Price & cost of producing energy is
held to be confidential info by NRC.
REGAN, W.H. Environmental Projects Branch 2. 78/10/23. 3pp.

7811070332 Summary of 780913 Meeting at Bethesda, MD on info requested
by Auxiliary Sys Branch re main steam & process steam
piping, reactor coolant pump cooling & fuel tank drop.
HODD, D.H. Light Water Reactors Branch 4. 78/10/23. 4pp.
94038:358.

7811130021 Summary of 780914 meeting w/util, Bechtel Corp & B&W in
Bethesda, MD re separation criteria & administrative
procedures for installation of Class 1E balance of plant
equipment & circuits identified in PSAR Amend 32.
HODD, D. Light Water Reactors Branch 4. 78/10/23. App. 94075:313.

7810310364 Concludes that separation criteria for N888 & Class 1E
balance-of-plant equipment to non-Class 1E circuits are per
IEEE Std 384-1974 & Reg Guide 1.73 & acceptable.
VARGA, S.A. Light Water Reactors Branch 4. 78/10/24. 3pp.
94093:106.

7811010092 Ack receipt of 780929 interim rept re settlement of Diesel
Generator Found & Bldg. Final rept will be reviewed upon
receipt.
HEISHMAN, R.F. Region 3, Chicago, Reactor Construction & Engineering
Support Branch. 78/10/24. 1p. 94381:315.

781100006 Responds to 780926 ltr requesting NRC decision on
potential release of section 4.C of contract between Dow
Chem Co & Consumer Pur Co. NRC finds section 4.C matl
confidential & proprietary. Request is denied.
FELTON, J.M. Division of Rules and Records. 78/10/26. 1
94290:240.

--7811010010 FOIA request for info re correspondence involv
between Dow Chem & Consumer Pur Co.
FREEDMAN, S. Public Interest Research Group. 78/09/26.
94290:241.

--7811010013 FOIA request for section 4.C specifying rates
process steam supplied to Dow Chemical by util.
FREEDMAN, S. Public Interest Research Group. 78/07/19.
94290:242.

7811150107 Notice of 781106 meeting w/subg util on staff re
for addl info re extension of const completion dates for
facil.
HODD, D. Light Water Reactors Branch 4. 78/10/30. 2pp.

--7811150109 Requests addl info re const permit extension
on 770829.
VARGA, S.A. Light Water Reactors Branch 4. 78/10/27.
94113:309.

7811240185 Responds to 781023 ltr. City has 41 police officer
cars & no impact on crime rate from const of subg facil.
HARCEK, D.B. Midland County, MI. 78/10/30. 1p. 94458:5

7811240199 Forwards MI Supreme Court decision dtd 771024 &
documentation re annexation of subg site to City of Midla
RAE, J.J. Midland City, MI. 78/10/30. ap. 94458:305.

7811240188 Responds to 781023 ltr. Part acreage in City of M
approx 2700 acres & total park space exceeds standards.
MOFFATT, D.W. Midland City, MI. 78/10/31. 1p.

7811140039 Forwards request for addl info re main steam lin
accident. Requires that power distribution distortions cau
by stuck rod be considered during both initial portion &
later return-to-subcritical-power portion of analyses.
VARGA, S.A. Light Water Reactors Branch 4. 78/11/01. 5p.
94425:001.

7811240166 Confirms 780912 info. 41 law enforcement officer
cars involved. Crime rate not affected by const of subg
facil.
MCNUTT, J.R. Midland County, MI. 78/11/01. 1p. 94458:5

7811090143 Responds to 781011 request for addl info re equi
ecology, hydrology, water use & quality, & traffic count dat
w/Agreement between Wolverine Pur Co & CPC. Discharge Perm
Appl by CPC, & other encl.
HOWELL, S.H. Consumers Power Co. 78/11/03. 101pp. 940

--7811090149 "Study of a Non-Buoyant Plume: Presence of a Bu
in an Unidirectional Ambient Flow." Hydrothermal model t
were conducted to determine satisfactory design for cool
pond blowdown discharge.
ROBERGE, J.C., NYQUIST, R.O. Bechtel Power Corp. (subs.
Corp.). 78/09/30. 98pp.

--7811090156 "Cooling Pond Oper Study". Preliminary Rept. Fa
pond oper was simulated by use of makeup & blowdown sys
control pond TDS concentrations.
LIQU, C.P., APADAKIS, C.N. Bechtel Power Corp. (subs. o
Corp.). 78/09/30. 55pp. 94043:015.

--7811090159 Tabular data on traffic counts for county road
of proposed site.
RAAD, J.H. Michigan, State of. 78/10/13. 34pp.

7811240186 Confirms 780912 telephone conversation. City of
treatment facila will be expanded to treat total of 48
million gallons/day & be adequate until 1990.
EWING, W.C. Midland City, MI. 78/11/06. 1p.

7811130143 Notifies applicant of 781128 NRC-sponsored semi
Radiological Effluent Tech Specs for Nuc Pur Plants. Encl
w/Bsmrlnr Info Sheet to be completed & returned by 7811
Proposed Agenda.
KEPPLER, J.O. Region 3, Chicago, Office of the Director.
6pp. 94087:333.

7811240184 Responds to 781025 ltr. Current school enrollmen
Bldgs in school district can accommodate 2500 new studen
in 1980.
BAKER, R. Midland City, MI. 78/11/07. 1p. 94458:301.

781200159 Forwards for review by Seismic Qual Review Team (SQRT) listings of encl portions of SQRT info & schedule for providing currently unavailable data & completed SQRT forms.
HOWELL, S.H. Consumers Power Co. 78/11/13. 84pp. 02760:061.

781200121 Forwards Crane Packing Co Bulletin 3472: "Seal Performance Test for Nuc Pur Plant Safety Injection Sys", to support utility assumptions on HPI pump seal leakage as discussed at 780920 meeting w/NRC re EBF Filtration issue.
HOWELL, S.H. Consumers Power Co. 78/11/14. 83pp. 94220:237.

781240190 Responds to 781025 request for confirmation of telephoned data re Midland Hosp Assoc (personnel count, wof admissions). Confirms info on file is provided by hosp. Occupancy rate is 71%.
RATHBUN, K.J. Michigan, State of. 78/11/14. 2pp. 94458:310.

781260127 Summary of 781106 meeting w/CPC in Bethesda, MD re extension of const completion dates. Draft response to 781027 questions encl.
HOOD, D. Light Water Reactors Branch 4. 78/11/14. 15pp.

781260130 Notification of 781203-04 meetings w/CPC in Midland, MI re settlement of diesel generator bldg & other structures.
Agenda encl.
HOOD, D. Light Water Reactors Branch 4. 78/11/14. 4pp.

781260131 Summary of 780820 meeting on steam line break methodology, cold shutdown position & safeguards pump room leakage w/encl list of attendees & applicant's responses to NRC questions.
HOOD, D. Light Water Reactors Branch 4. 78/11/14. 27pp. 94013:033.

781270087 Forwards request for addl info for review of appl for oper lic for subj facil. Response req by 781208: 3 originals & 147 copies; 41 are to be forwarded & 109 to be retained.
REGAN, W.H. Environmental Projects Branch 2. 78/11/16. 5pp. 94260:340.

781260091 Forwards Rev#1 "Draft Radiological Effluent Tech Spec for PWR's" (NUREG-0472) & "Preparation of Radiological Effluent Tech Spec for Nuc Pur Plants" (NUREG-0133). w/encl 781270173 & 781270180.
VABBALLO, D.B. Assistant Director for Light Water Reactors. 78/11/16. 6pp. 02726:322.

781300007 Forwards order extending completion on dates from 781201 & 791201 to 821001 & 811001 for Units 1 & 2, respectively.
VARQA, S.A. Light Water Reactors Branch 4. 78/11/17. 3pp. 94069:348.

--781300011 Order extending const completion dates from 781201 & 791201 to 821001 & 811001 for Units 1 & 2, respectively. Evaluation of request for extension of CPPR-81 & CPPR-82 encl.
BOYD, R.S. Division of Project Management. 78/11/17. 7pp. 94069:344.

--781300019 States environ impact statement for extension of constr permit not warranted. All necessary info described in Final Environ Statement-Constr Permit Stages.
REGAN, W.H. Environmental Projects Branch 2. 78/11/17. 2pp. 94077:023.

--781300023 EIA concluding no EIS need be prepared for proposed action.
* Division of Site Safety & Environmental Analysis. 78/11/17. 2pp. 94077:025.

781260094 Safety evaluation supporting extension of Const Permits CPPR-81 & CPPR-82.
HOOD, D., VARQA, S.A. Light Water Reactors Branch 4. 78/11/17. 5pp.

--781260097 Environ Impact Appraisal concluding that extension of subj facil Constr Permits CPPR-81 & CPPR-82 will cause no major addl environ impact. W/Negative Declaration.
* Division of Site Safety & Environmental Analysis. 78/11/17. 2pp.

781270147 Forwards Amend 53 to CP & OL application, containing update to general info portion.
HOWELL, S.H. Consumers Power Co. 78/11/21. 1p. 94271:343.

--781270151 Amend 53 to CP & OL application re basis for completion date extension. Unit 1 extension from 771201-781201 to 811001-821001 & Unit 2 extension from 781201-791201 to 801001-811001. Delay partially due to finances.
* Consumers Power Co. 78/11/21. 16pp. 94271:344.

781270182 Forwards addl copies of CPC responses to Suppl Requests for Addl Info. Part 2, originally transmitted to NRC by ltr of 781102. w/encl AND: 781160108.
HOWELL, S.H. Consumers Power Co. 78/11/21. 1p. 94282:355.

7812070260 Notification of 781211 meeting w/CPC, Bechtel & B&W in Bethesda, MD to appeal NRC position that facilities be capable of obtaining cold shutdown conditions using only safety grade equipment.
HOOD, D. Light Water Reactors Branch 4. 78/11/27. 4pp. 94085:055.

7812050142 Forwards Cert of Svc for Appl for Constr Permit & Oper Lic Amend#53.
BACON, J.L. Consumers Power Co. 78/11/29. 2pp. 94334:350.

7812050213 Forwards Certificate of Svc for Amend 54 to CP & OL application, containing Revision 15 to FSAR.
BACON, J.L. Consumers Power Co. 78/11/30. 1p. 94318:345.

781220002 Forwards supplemental second round question from Reactor Physics Section re criticality of proposed high density storage sys. [Encl 80081305493]
TEDESCO, R.L. Division of Systems Safety. 78/12/01. 1p. 94274:297.

781220068 Responds to 781011 NRC ltr, addl info re Aquatic Ecology & Hydrology, Water Use & Quality & Archaeology. Forwards rev of State Discharge Permit Appl, rev of Appl for Permit to Discharge Water & Archaeological Rept.
HOWELL, S.H. Consumers Power Co. 78/12/05. 283pp. 94278:104.

7812260118 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J.O. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 94310:213.

7812120104 Forwards Amend 55 to application for CP & OL & Revision 4 to Environ Rept, OL stage.
HOWELL, S.H. Consumers Power Co. 78/12/07. 1p. 94275:029.

--7812120111 Application for CP & OL w/Revision 4 of Environ Rept.
HOWELL, S.H. Consumers Power Co. 78/12/07. 194pp. 94275:030.

7812180391 Responds to request for withholding info submitted on 780604 & 0629 (ref 10CFR2.790). Forwards tables listing criteria used by B&W to determine whether submitted matls are proprietary & propriatary chain of matl submitted.
VARQA, S.A. Light Water Reactors Branch 4. 78/12/07. 7pp. 94337:266.

7812260188 Discusses questions raised during visit re diesel generator settlement problem.
COOME, T.C. Consumers Power Co. 78/12/07. 2pp. 94159:156.

7812210294 Notification of 781220 meeting w/CPC & B&W in Bethesda, MD to discuss single failure proof crane for spent fuel, details of full-scale modeling tests planned for containment sump & steam line break analysis w/stuck control rod assembly.
HOOD, D. Light Water Reactors Branch 4. 78/12/11. 4pp. 94167:320.

C. Utility Environmental Report (ER), amends & correspondence

7811070149 Responds to 781011 NRC ltr re review of subj facil Environ Rept-Oper Lic Stage. Answers questions re archeological investigation of Tittabawassee River floodplain, mitigation or avoidance of archeological sites, ecological survey.
HOWELL, S.H. Consumers Power Co. 78/10/20. 2pp. 94044:096.

7811170294 Forwards Amend 52 to Environ Rept re corrections of error requests for addl info re original Amend.
HOWELL, S.H. Consumers Power Co. 78/11/10. 1p. 94043:274.

--7811170298 Amend 52 to Environ Rept re correction of errors & request for addl info as requested by WM Regan's 780322, 781011, & 781018 ltrs.
HOWELL, S.H. Consumers Power Co. 78/11/10. 202pp. 94043:277.

7811280282 Forwards affidavit distributing copies of Amend#52 to CPC Appl for Constr Permit. Cert of Svc encl.
SAN, J. Consumers Power Co. 78/11/20. 4pp. 94295:228.

7812190095 Forwards affidavit for Amend 55 Rev4 to Environ Rept appl for reactor constr permit & oper lic on 781211.
BACON, J.L. Consumers Power Co. 78/12/12. 4pp. 94381:036.

D. NRC Draft/Final Environmental Statements, suppl & correspondence

7812050222 Ack cooperation in providing info for EIS for subj facil. Requests written confirmation of data provided re staffing, admissions & occupancy rate of Midland Hospital.
HODON, S.W. Argonne National Laboratory. 78/10/25. 1p. 94201:148.

7812050225 Act cooperation in providing info for EIS for subj facili.
Requests written confirmation of data provided re planned
expansion of water capacity of City of Midland
HONG, S.W. Argonne National Laboratory. 78/10/25. 1p. 94201:199.

7812050227 Act cooperation in providing info for EIS for subj facili.
Requests written confirmation of data provided re acreage of
parkland in the City of Midland & that the total space
devoted to parks & recreation exceeds gen standards
HONG, S.W. Argonne National Laboratory. 78/10/25. 1p. 94201:200

7812050232 Act cooperation in providing info for EIS for subj facili.
Requests written confirmation of data provided re # of law
enforcement officials & patrol cars in Midland County, & that
constr of facili has not affected local crime rate
HONG, S.W. Argonne National Laboratory. 78/10/25. 1p. 94202:023.

7812050239 Act cooperation in providing info for EIS for subj facili.
Requests written confirmation of data provided re # of police
& patrol cars in City of Midland, & that constr of facili
does not impact on local crime rate
HONG, S.W. Argonne National Laboratory. 78/10/25. 1p. 94202:045.

7812050244 Act cooperation in providing info for EIS for subj facili.
Requests written confirmation of data provided re current
enrollment & unused capacity of the Bullock Creek School
District
HONG, S.W. Argonne National Laboratory. 78/10/25. 1p. 94202:067.

7812050250 Act cooperation in providing info for EIS for subj facili.
Requests written confirmation of data provided re current
enrollment & unused capacity of the Midland School District.
HONG, S.W. Argonne National Laboratory. 78/10/25. 1p. 94202:114.

7812050255 Act cooperation in providing info for EIS for subj facili.
Requests written confirmation of data provided re
confirmation by State Supreme Court of annexation
HONG, S.W. Argonne National Laboratory. 78/10/25. 1p. 94202:127.

0. Adjudicatory correspondence

7810110309 Answer of Consumers Pur Co to Petition for Leave to
Intervene of W.H. Marshall on behalf of the Mapleton
Intervenor. Intervention should be denied for untimeliness.
& participation would not contribute to record.
MILLER, M.I. OIBBS, M.E. Isham, Lincoln & Beale. 78/09/28. 13pp.
94061:016

7810250152 Notice of withdrawal from proceeding as of 780929.
Certificate of Bvc encl.
OROSMAN, M.J. Hearings Division. 78/09/29. 3pp.

7810140027 NRC staff answer to petition submitted 780909 by W Marshall
requesting leave to intervene on behalf of Mapleton
Intervenor. NRC staff does not oppose petition at this time.
OLMSTEAD, W.J. Office of the Executive Legal Director. 78/10/03.
7pp. 94421:032

7810200381 Notice of Withdrawal of Appearance accompanied by Notice of
Appearance for David Sonderman, replacing Cohen & Cert of
Bvc.
COHEN, R.C. Arnold & Porter. 78/10/06. 3pp. 94354:282.

7810240157 Notice of hearing on issuance of DL license. SER, FEB, DES.
ACRB rept on DL application, Tech Specs & intervention
petitions, related papers & Board 780814 memorandum & order
may be inspected at NRC PDR. Certificate of Bvc encl.
SMITH, I.W. Atomic Safety and Licensing Board Panel. 78/10/12. 4pp.

7810250198 Memorandum & order granting WH Marshall temporary status as
intervenor pending Board final determination on adequacy of
intervention petition. Mapleton Intervenor may file amended
petition demonstrating interest in proceeding.
SMITH, I.W. Atomic Safety and Licensing Board Panel. 78/10/12. 6pp.
94392:241.

7810300311 Repts predicted util figures for long-term electricity
demand for 1978-88 per latest short-term forecast.
MILLER, M.I. Isham, Lincoln & Beale. 78/10/18. 2pp. 94253:317.

7811010006 Forwards another copy of the Bd Memo & Order of 780814 &
Notice of Hearing on issuance of Facil Oper Lic of 781012
In response to 781018 Mailgram informs that requests for
data should go to staff, not BD, w/o encl.
SMITH, I.W. Atomic Safety and Licensing Appeal Panel. 78/10/23.
2pp. 94290:237.

7812060152 Order referencing re annexation of subj site to C
Midland, MI Forwarded as encl to ANO. 7811240199.
HARRISON, M.O. Michigan, State of. 78/10/30. 40pp. 01791

7811100146 Forwards contentions that MI law prevents lic that
a nuisance, illegal radiat spills are occurring, spent fuel ro
storage has created hazards, icing & fogging nuisance is
occurring & present tech fails to achieve zero emission.
HARRISON, M.O. Mapleton Intervenor. 78/10/31. 1p. 94047

7811130189 In response to motion of 781029 from W Marshall re
rescheduling of prehearing conference, ordered that S Oadler
will represent Marshall & Mapleton Intervenor at the
special prehearing conference.
SMITH, I.W. Atomic Safety and Licensing Board Panel. 78/10/31.
03553:330.

--7811130192 Request by intervenor W Marshall for continuance
prehearing conference on 781110 due to his unavailability
that day. Request for resched made on his own behalf & on
behalf of Mapleton Intervenor.
MARSHALL, W.H. Affiliation Unknown. 78/10/29. 1p. 03553

7811150080 "Brief of Consumers Pur Co in Support of its Post
WH Marshall's Petition to Intervene is Barred by Res
Judicata. Unopposed petition be denied. Cert of Bvc & supporting
mats enclosed.
MILLER, M.I. OIBBS, M.E. Consumers Power Co. 78/10/31. 9
94113:003.

7811210040 Submits addl contentions in support of 780906 con
jecting to subj facili re illegal charges & spills,
geological conditions & storage of spent fuel rods.
Certificate of Bvc encl.
MARSHALL, W.H. Mapleton Intervenor. 78/10/31. 5pp. 941

7811150039 Requests that CPC file brief supporting util post
WH Marshall petition to intervene be barred by 781031 res
judicata. Certificate of Bvc encl.
MARSHALL, W.H. Mapleton Intervenor. 78/11/02. 1p. 9411

7811210036 Berves SJ Oadler w/"Brief of Consumers Pur Co in
its position that Marshall's petition to intervene is barred
by res judicata."
OIBBS, M.E. Isham, Lincoln & Beale. 78/11/02. 1p. 03557

7811210493 Contention of intervenor M Sinclair. Asserts that
is responsible for assuring compliance w/Atomic Energy Act
of 1954. Also claims that NRC has not implemented an
effective direct inspec prog. Cert of Bvc encl.
SINCLAIR, M.P. Affiliation Unknown. 78/11/03. 40pp. 035

7811150252 Only issue remaining for ABLB to consider re sub.
charge re CPC's conduct. Bd will also address issue of
environ effects of radon. Bd will not consider CPC's alleged
history of QA-QC violations & lack of financial qual.
CHILK, S.J. Office of the Secretary of the Commission. 78/11/03.
7pp. 94273:086.

7811220215 Suppls 781018 notice of hearing that special pre
conference per 10CFR2.751(a) would begin on 781118. Meeting
will not be held on 781214 in Midland, MI.
SMITH, I.W. Atomic Safety and Licensing Board Panel. 78/11/03.
94071:282.

7811300369 Memorandum & order postponing special prehearing
previously scheduled for 781118, until 781214 at same hr &
location.
SMITH, I.W. Atomic Safety and Licensing Board Panel. 78/11/03.
94136:281.

7812060126 Requests change of location for 781214-15 prehea
conference from Midland, MI to Chicago, IL.
CHERRY, M.M. Cherry, M. M./Cherry, Flynn & Kanter. 78/11/03.
94382:025.

--7812060172 Requests comments on NRC 781106 memorandum & o
consideration of operating & const matters.
CHERRY, M.M. Cherry, M. M./Cherry, Flynn & Kanter. 78/11/03.
94382:027.

7812080005 Forwards 780929 10CFR30.35(a) rept from CPC & Kep
memo to Thornburg re proposed contentions concerning
settlement of diesel generator bldg foundations pending
before the ABLB, re ABLB.
OLMSTEAD, W.J. Office of the Executive Legal Director. 78/11/03.
12pp. 94103:315.

7811300356 Objects to M Cherry 781113 request to change location of licensing hearings to Chicago. Poor health would prevent attendance if hearing was not held in Midland, MI. Certificate of Svc encl
MARSHALL, W. H. Affiliation Unknown. 78/11/17. 1p. 94116:238.

7812050257 Informs that ltr transmitting radon record should have been stamped "Served 781117."
* Docketing & Services Branch. 78/11/21. 1p. 94202:132

7812010257 Memorandum & order confirming date of special prehearing conference. Location of future sessions will be discussed at conference. Board will begin 781214 by dealing w/problems involving lawyers. Limited appearance statements deferred.
SMITH, I. M. Atomic Safety and Licensing Board Panel. 78/11/22. 2pp. 94417:123.

7812140087 Brief submitted by CPC in response to ASLB Order of 781113 CPC asserts that 27 of petitioner to intervene M Sinclair's suppl contentions are inadmissible & that petition to intervene of W Marshall be denied. Cert of Svc encl.
MILLER, M. I., OIBBS, M. E. Isham, Lincoln & Beale. 78/11/28. 49pp. 94128:242.

7812140362 Answer of CPC to Motion by M Cherry, representing all intervenors other than Dow Chem Co. for joint consideration of oper & constr matters. CPC asserts that consolidation is neither req nor justified. Cert of Svc encl.
MILLER, M. I., OIBBS, M. E. Isham, Lincoln & Beale. 78/11/28. 12pp. 03597:251.

7812260065 Forwards "Participation in the Instant Proc." w/Cert of Svc.
TAYLOR, O. T. Michigan, State of. 78/11/28. 1p. 94027:133.

--7812260067 "Participation of the State of MI in the Instant Proc." Responds to Bd Order 781117 requiring MI to advise if it intends to participate. Scope & subj matter of intended participation are outlined.
TAYLOR, O. T. Michigan, State of. 78/11/28. 2pp. 94027:134.

7812260298 NRC Staff's Response to contentions of petitioners to intervene Mapleton Intervenor. Staff asserts that contentions #1, 3, 4, 6 & 7 are vague or w/out basis in fact. Contentions #2 & 5 may be proper if rephrased. W/Cert of Svc.
OLMSTEAD, W. J. Office of the Executive Legal Director. 78/11/28. 3pp. 94160:052.

--7812260303 NRC Staff's response to Contentions of petitioner to intervene M Sinclair. Staff objects to contentions #1-21, 23, 26, 35, 39-41, 43, 46, 44a, 45a, 47a-54. No objection is made to contentions #22, 24, 27-34, 42-44, 47, 48 & 46a.
OLMSTEAD, W. J. Office of the Executive Legal Director. 78/11/28. 10pp. 94160:053.

7812140223 Responds to 781120 request for advance notification of meetings between NRC & consumers re subj site. Respondent has already been sent such notices, & recent Fed Register Notice affirms open meeting policy which holds for subj site.
OLMSTEAD, W. J. Office of the Executive Legal Director. 78/11/29. 1p. 94204:340.

7812180383 Corrects factual error in 781128 Consumers Power Co brief. Steam rate may or may not be subj to jurisdiction of MI Pub Svc Comm.
OIBBS, M. E. Isham, Lincoln & Beale. 78/11/29. 1p. 94357:319.

7812280325 Forwards documents re settlement of Diesel Generator Bldg foundations at subj facil.
OLMSTEAD, W. J. Office of the Executive Legal Director. 78/12/07. 14pp. 94082:141.

--7812280332 Forwards 781120 ltr from M Cherry w/possible allegations against resident NRC inspector at subj facil.
DAVIS, J. Q. Office of Inspection & Enforcement, Office of the Director. 78/12/05. 1p. 94082:360.

--7812280334 Forwards ltr from M Cherry re subj constr proj. Response is being prepared.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/11/24. 1p. 03555:152.

--7812280340 Expresses concern that NRC is attempting to minimize problem of diesel generator bldg settlement at subj facil. Suggests NRC resident inspector may be co-opted by util. Requests info & permission to attend next inspec.
CHERRY, M. M. Cherry, M. M./Cherry, Flynn & Xanter. 78/11/20. 3pp. 03555:157.

--7812280343 Transfers lead responsibility for problem of significant settlement of diesel generator bldg to NRR. W/encl repts on deficiency.
VASSALLO, D. B. Assistant Director for Light Water Reactors. 78/11/17. 11pp. 94082:204.

7812270132 NRC Staff's response to NRC Memo & Order of 781106 re r issue. Asserts that ASLB has no need for addl written evidence re radon question. Notice of appearance for BM Bordenick & Cert of Svc encl.
BORDENICK, B. M. Office of the Executive Legal Director. 78/12/01. 10pp. 94161:086.

7812280350 Memo of CPC re environ effects of radon per NRC Order of 781106. Asserts that Perkins decision is supported by record of that proc & that radon emissions do not critically affect cost-benefit balance. W/encl documentation & Cert of Svc.
MILLER, M. I., OIBBS, M. E. Isham, Lincoln & Beale. 78/12/08. 19pp. 94082:217.

H. General correspondence

7811010014 Requests OL documents: 50-329 & 50-33 to be sent to N Hatlie. P.O. Box 103, 3609 Shoreline Dr., Nararve, Mn 55392. Also to place Hatlie on circulatory list.
MARSHALL, W. H. Mapleton Intervenor. 78/10/18. 1p. 94290:239.

7812280198 Responds to 781120 ltr. Forwards info re resident inspector being co-opted by Midland personnel. NRC has initiated an investigation into settlement of diesel bldg at facil.
KEPPLER, J. Q. Region 3, Chicago, Office of the Director. 78/12/12. 12pp. 94373:090.

K. Utility Final Safety Analysis Report (FSAR) & amends

7810230192 Forwards Amend 31 to CP & OL applications, consisting of Revision 14 to FSAR.
HOWELL, S. H. Consumers Power Co. 78/10/17. 1p.

--7810230196 Revision 14 to FSAR. Vols 1&2.
* Consumers Power Co. 78/10/17. 1153pp.

7810270168 Forwards Cert of Svc for copies of Amend #51 (Rev 14 to FSAR) Safety Analysis Rept to appl for constr permits & oper lics.
BACON, J. L. Consumers Power Co. 78/10/24. 2pp. 94056:266.

7812010251 Forwards Amend 34 to CP & OL application, containing Revision 15 to FSAR.
HOWELL, S. H. Consumers Power Co. 78/11/27. 18pp. 94390:159.

--7812010252 Rev 15 to the FSAR vols 1 & 2: responses to requests for info. re re-critical rod assemblies & high density fuel racks & routine design dev. addl info scheduled for entry. W/encl amend appl for CP & OL.
* Consumers Power Co. 78/11/30. 1300pp.

7812120154 Forwards advance copy of util response to NRC Request A "QA During Operations Phase." FSAR Subsection 17.2 re personnel training, staff changes, cleaning of fluid sys & QA Audit. Response to be submitted w/Revision 16 of FSAR.
HOWELL, S. H. Consumers Power Co. 78/12/08. 11pp. 94276:286.

M. Antitrust correspondence

7812180246 Intervenor & applicant CPC repts that prospect for settlement of issues contested in proceedings re subj facil is excellent. An understanding has been reached in all but 2 areas. Cert of Svc encl.
ROBB, W. W., WATSON, K. S., Wald, Hartrader & Ross. JABLON, R. A. & McDiarmid. 78/12/06. 4pp. 94359:335.

G. Inspection reports, IE Bulletins & correspondence

7810270024 Forwards I & S Initial Rept on Response to Bulletin 77-05/05A re use of Elec Connectors. Appropriate Bds should be notified where there is a question re use of connectors in safety sys. Memo dtd 780209 also encl.
TEDEBEC, D. R. L. Assistant Director for Plant Systems. 78/02/08.

--7810270246 Forwards "Status of Responses from Licensees of Plant Construct to Bulletins 77-05 & 05A".
MCBELEY, N. C. Division of Reactor Construction Inspection. 78/02/07. 3pp.

7811130340 Forwards IE Inspec Repts #50-329/78-09 & #50-330/78-09 & 780829-31 & Notice of Violation.
HEISMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering. 78/11/20. 1p.

--7811130343 Notice of Violation from inspect on 780829-31
 * Region 3, Chicago, Reactor Construction & Engineering Support
 Branch. 78/09/21. 1p. 94007:311.

--7811130350 IE Inspec Repts#50-329/78-09 & #50-330/78-09 on 780829-31
 during which 1 item of noncompliance was noted: failure to
 follow procedure in welding root pass.
 LEE, E.W., DANIELSON, D.H. Region 3, Chicago, Office of the
 Director. 78/09/21. 3pp. 94007:312.

7810160197 "Preservice & First 10-Yr Interval Insp Plan for NDE & Sys
 Pressure Testing at CPC Midland Units 1 & 2 " Prepared For
 Util.
 BLAGER, H.W., BIRKLE, A.J., MAYNARD, C.J. Bechtel Corp. 78/09/29.
 247pp.

7810160196 Forwards "Preservice & First 10-Yr Interval Insp Plan for
 NDE & Sys Pressure Testing at CPC Midland Units 1 & 2." Data
 reported in Section 3 of plan is preliminary & subj to
 change as const progresses. Plan basis of 781023 meeting
 HOWELL, S.H. Consumers Power Co. 78/10/05. 2pp. 94007:150.

7811140048 Forwards IE Inspec Repts#50-329/78-10 & #50-330/78-10 on
 780913-15 during which no items of noncompliance were noted.
 HEIBMAN, R.F. Region 3, Chicago, Reactor Construction & Engineering
 Support Branch. 78/10/10. 2pp. 94420:343.

--7811140054 IE Inspec Repts#50-329/78-10 & #50-330/78-10 on 780913-15
 during which no items of noncompliance were noted. Major
 areas inspected included: installation of safety-related
 hangers & restraints.
 YIN, I.T. Region 3, Chicago, Office of the Director.
 DANIELSON, D.H. Region 3, Chicago, Reactor Construction &
 Engineering Support Branch. 78/10/10. 6pp. 94420:345.

7810200211 Ack receipt of 780918 ltr informing NRC of steps taken to
 correct item of noncompliance identified in IE Inspec Repts
 50-329/78-07 & 50-330/78-07. Addl info is requested.
 KEPLER, J.O. Region 3, Chicago, Office of the Director. 78/10/11.
 2pp. 94367:064.

7811070336 Responds to 780921 NRC ltr re noncompliance noted in Inspec
 Repts#50-329/78-09 & 50-330/78-09. Corrective actions: rev of
 Bechtel Welding Procedure Spec & Bechtel Project Quality
 Control Instruction#7220/W-1.00.
 HOWELL, S.H. Consumers Power Co. 78/10/23. 3pp. 94043:080.

7812140021 Forwards IE Inspec Repts#50-329/78-11 & 50-330/78-11 on
 780926-28 during which no items of noncompliance were noted.
 HEIBMAN, R.F. Region 3, Chicago, Office of the Director. 78/10/27.
 2pp. 94119:347.

--7812140028 IE Inspec Repts#50-329/78-11 & #50-330/78-11 on 780926-28
 during which no items of noncompliance were noted. Major
 areas inspected incl: Babcock & Wilcox Constr Co
 nondestructive examination prog procedures & personnel cert.
 WARD, K.D., DANIELSON, D.H. Region 3, Chicago, Office of the
 Director. 78/10/26. 7pp.

7811280124 Responds to 780504 NRC ltr re violations noted in Inspec
 Repts#50-329/78-03 & #50-330/78-03. Corrective actions: weld
 spec rev; weld voltage range monitoring procedure prepared;
 diagnosis on 13% voltage range limitation.
 HOWELL, S.H. Consumers Power Co. 78/10/31. 2pp. 94013:023.

7812060044 Forwards IE Inspec Repts#50-329/78-13 & #50-330/78-13 on
 780724-28. 31,0801-31,0901-08 & Notice of Violation.
 HEIBMAN, R.F. Region 3, Chicago, Reactor Construction & Engineering
 Support Branch. 78/11/03. 2pp. 94232:254.

--7812060047 Notice of Violation from inspect on 780724-0928.
 * Region 3, Chicago, Reactor Construction & Engineering Support
 Branch. 78/11/03. 2pp. 94232:256.

--7812060070 IE Inspec Repts#50-329/78-13 & #50-330/78-13 on 780724-0908
 during which 2 items of noncompliance were noted: welds with
 unequal outside diameters were accepted & Safety Related
 Control Rod Drive Primary Breakers were not well protected.
 COOK, R.J., HAYES, D.W. Region 3, Chicago, Office of the Director.
 78/11/03. 6pp. 94232:258.

7811180057 Forwards IE Circular 78-18.
 KEPLER, J.O. Region 3, Chicago, Office of the Director. 78/11/06.
 1p. 94112:192.

7811200041 Ack receipt of 781020 ltr informing NRC of steps taken to
 correct violations noted during inspect.
 HEIBMAN, R.F. Region 3, Chicago, Reactor Construction & Engineering
 Support Branch. 78/11/08. 1p. 94215:323.

7812140130 Forwards IE Inspec Repts#50-329/78-14 & 50-330/78-14 on
 780910-29 during which no items of noncompliance were noted.
 HEIBMAN, R.F. Region 3, Chicago, Reactor Operations Nuclear Support
 Branch. 78/11/08. 2pp. 94128:334.

--7812140139 IE Inspec Repts#50-329/78-14 & 50-330/78-14 on 780910-29
 during which no items of noncompliance were noted. Major
 areas inspected incl: examination of gen site condition &
 steam generator & reactor vessel hold down bolting.
 COOK, R.J., HAYES, D.W. Region 3, Chicago, Reactor Construction &
 Engineering Support Branch. 78/11/06. 4pp. 94128:336.

7811220006 Ack receipt of 781023 ltr informing NRC of steps taken to
 correct violations noted in 780921 ltr. Corrective actions
 will be reviewed during a future inspect.
 HEIBMAN, R.F. Region 3, Chicago, Reactor Construction & Engineering
 Support Branch. 78/11/15. 1p. 94308:246.

7812190158 Forwards IE Inspec Repts#50-329/78-12, 50-330/78-12 on
 781024-27 during which no items of noncompliance were
 noted.
 HEIBMAN, R.F. Region 3, Chicago, Reactor Construction & Engineering
 Support Branch. 78/11/17. 2pp. 94340:162.

--7812190160 IE Inspec Repts#50-329/78-12 & 50-330/78-12 on 781024-27
 during which no items of noncompliance were noted. Major
 areas inspected incl: 10CFR50.55(e) rept concerning
 settlement of diesel generator foundation & bldg.
 GALLAGHER, E.J., SPEGGARD, R.L. Region 3, Chicago, Office of the
 Director. 78/11/14. 11pp. 94340:169.

7812050102 Ack receipt of 781031 ltr informing NRC of steps taken to
 correct violations noted in 780504 & 780913 ltrs. Re issue(b)
 NRC requests that sampling measurement sys provide assurance
 that all welding machines are covered by amperage & voltage.
 HEIBMAN, R.F. Region 3, Chicago, Reactor Construction & Engineering
 Support Branch. 78/11/22. 1p. 94335:287.

7812050333 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12.
 W/encl AND: 781300055.
 KEPLER, J.O. Region 3, Chicago, Office of the Director. 78/11/24.
 1p. 94409:001.

7812080249 Informs NRC of ongoing preparation of response to IE
 Bulletin 78-12, "A Typical Weld Matl in Reactor Pressure
 Vessel Welds" for suby facil & states that written response
 will be forwarded by 781215.
 HOWELL, S.H. Consumers Power Co. 78/11/28. 1p. 94137:191.

7812140080 Ack receipt of IE Bulletin#78-12A re atypical weld matl in
 pressure vessels. Response will be consistent w/extended
 sched of IE Bulletin#78-12A.
 HOWELL, S.H. Consumers Power Co. 78/12/05. 1p. 94128:226.

7812290015 Forwards IE Bulletin 78-14.
 KEPLER, J.O. Region 3, Chicago, Office of the Director. 78/12/19.
 1p. 06911:001.

R. Periodic operating reports & related correspondence

7810270142 Forwards Monthly Nonconformance rept for Sept 1978.
 HOWELL, S.H. Consumers Power Co. 78/10/25. 1p. 94060:050.

S. Reportable occurrences, LERs & related correspondence

7810180095 Interim deficiency rept re reactor bldg spray piping
 supports. Bechtel Associates Prof Corp rept of status of
 corrective action & investigation encl. Further rept to be
 submitted by 781117.
 HOWELL, S.H. Consumers Power Co. 78/10/13. 4pp. 94401:028.

7811010401 Ack receipt of 780929 final deficiency rept re containment
 bldg personnel airlocks. Review will be completed during
 future insp.
 HEIBMAN, R.F. Region 3, Chicago, Reactor Construction & Engineering
 Support Branch. 78/10/24. 1p. 94388:323.

7811010115 Ack receipt of 780929 interim rept re small break analysis.
 Final rept will be reviewed upon receipt.
 HEIBMAN, R.F. Region 3, Chicago, Reactor Construction & Engineering
 Support Branch. 78/10/25. 1p. 94378:355.

7811070222 Ack receipt of 781013 interim rept re reactor bldg spray
 piping supports.
 HEIBMAN, R.F. Region 3, Chicago, Reactor Construction & Engineering
 Support Branch. 78/10/30. 1p. 94039:141.

781170212 Interim deficiency rept re settlement of diesel generator foundations & bldg. Provides status of actions to be taken. Review meeting tentatively planned for last two wks in Nov. Further rept to be submitted by 781229.
HOWELL, S.H. Consumers Power Co. 78/11/07. 7pp. 94136:114.

781170222 Interim deficiency rept re reactor bldg spray piping supports. Provides status of analysis being conducted to resolve question of adequacy of supports per ASME Section III Code allowable stress requirements. Final rept by 781219.
HOWELL, S.H. Consumers Power Co. 78/11/10. 4pp. 94136:213.

7811220176 Interim deficiency rept re Class 1E station battery. Exide Industrial Battery Div asked to provide additional info describing condition, failure mode & analysis of why condition was reportable. Related correspondence.
HOWELL, S.H. Consumers Power Co. 78/11/17. 2pp. 94623:267.

--7811220178 Reports that addl isolation bar must be added to Class 1E battery racks sent to subj facili in order to isolate horizontal momentum during seismic events. Design is being worked out & will be ready in 60 days for retrofit.
MCNAMUS, C.K. ESB, Inc. 78/10/11. 1p. 94623:269.

7811290293 Ack receipt of 781117 interim rept pursuant to 10CFR90.55(a) re settlement of diesel generator foundations & bldg.
HEIGHMAN, R.F. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/11/22. 1p. 94239:246.

7812010155 Ack receipt of 781110 interim rept pursuant to 10CFR90.55(a) re reactor building spray piping supports.
HEIGHMAN, R.F. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/11/22. 1p. 94418:125.

7812040287 Ack receipt of 781110 interim rept re reactor bldg spray piping supports.
HEIGHMAN, R.F. Region 3, Chicago, Office of the Director. 78/11/22. 1p.

7812140366 Ack receipt of 781117 interim deficiency rept re class 1E station battery racks.
HEIGHMAN, R.F. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/11/22. 1p. 03557:288.

7812040218 Interim deficiency rept re component qualification test documentation re-review Rept is being generated by Bechtel documenting status of re-review & results on individual matl requisition basis for all Q-components requiring testing.
HOWELL, S.H. Consumers Power Co. 78/11/28. 2pp. 94445:359.

7812270184 Interim deficiency rept re reactor bldg spare piping supports. Bechtel Associates Prof Corp rept on status of analysis being conducted to resolve question of adequacy of reactor bldg spray piping supports per ASME requirements.
HOWELL, S.H. Consumers Power Co. 78/12/15. 3pp. 94017:361.

7812270254 Forwards nonconformance rept for Nov 1978. (Encl 800B1806B53)
HOWELL, S.H. Consumers Power Co. 78/12/20. 2pp. 94016:082.

7812290146 Interim deficiency rept re settlement of diesel generator foundations & bldg. Use of preload to densify existing fill matl in place selected as corrective action. Bechtel rept detailing tasks to be sent by Jan. Related correspondence.
HOWELL, S.H. Consumers Power Co. 78/12/21. 2pp. 94190:281.

DOCKET 50-330 MIDLAND PLANT, UNIT 2

A. Application/construction stage documents & correspondence

781090142 Responds to 781011 request for addl info re aquatic ecology, hydrology, water use & quality, & traffic count data w/Agreement between Wolverine Fur Co & CPC, Discharge Permit Appl by CPC, & other encl.
HOWELL, S.H. Consumers Power Co. 78/11/03. 101pp. 94042:357.

--781090149 "Study of a Non-Buoyant Plume: Presence of a Buoyant Plume in an Undirectional Ambient Flow." Hydrothermal model tests were conducted to determine satisfactory design for cooling pond blowdown discharge.
ROBERGE, J.C., NYQUIST, R.O. Bechtel Power Corp. (subs. of Bechtel Corp.). 78/09/30. 98pp.

--781090186 "Cooling Pond Oper Study". Preliminary Rept. Facil cooling pond oper was simulated by use of makeup & blowdown sys to control pond TDS concentrations.
LIDOU, C.P., APADAKIS, C.N. Bechtel Power Corp. (subs. of Bechtel Corp.). 78/09/30. 55pp. 94043:015.

--781090159 Tabular data on traffic counts for county roads in vicinity of proposed site.
RAAD, J.H. Michigan, State of. 78/10/13. 34pp.

7812120068 Responds to 781011 NRC ltr. addl info re Aquatic Ecology & Hydrology, Water Use & Quality & Archaeology. Forwards rev of State Discharge Permit Appl. rev of Appl for Permit to Discharge Water & Archaeological Rept.
HOWELL, S.H. Consumers Power Co. 78/12/05. 283pp. 94278:104.

7812120104 Forwards Amend 55 to application for CP & DL & Revision 4 to Environ Rept. DL stage.
HOWELL, S.H. Consumers Power Co. 78/12/07. 1p. 94275:029.

--7812120111 Application for CP & DL, w/Revision 4 of Environ Rept.
HOWELL, S.H. Consumers Power Co. 78/12/07. 194pp. 94275:030.

7810310061 Forwards preliminary chart on results of land use survey completed last year re building & housing trends in Midland County 1969-1977.
* Midland County, MI. 78/04/10. 3pp. 94093:179.

7810140006 Notice of time & agenda change for meeting on 781025 to discuss augmented insvc inspect & testing of pumps & valves.
HODD, D. Light Water Reactors Branch 4. 78/09/25. 3pp. 94329:077.

7810120072 Forwards B&W rept "Analysis of Bearing Failure in LM&G 9000 HP Vertical Pump Motor Resulting From Oil Cooler Failure" prepared for CPC. Rept available in CP only.
HOWELL, S.H. Consumers Power Co. 78/10/05. 1p. 94470:345.

--7810120077 "Analysis of Bearing Failure in LM&G 9000HP Vertical Pump Motor Resulting from Oil Cooler Failure" prepared by B&W for CPC, & forwarded to NRC. Determines Kingsbury thrust bearing to be critical component in event of oil cooler failure.
* Babcock & Wilcox Co. 77/10/10. 107pp.

7810130231 Forwards archaeological site survey for Midland County, MI to be added to minutes of Babinaw meeting of 780905.
BRUNETT, F.V. Babinaw Archaeological Commission. 78/10/05. 11pp.

7810200128 Requests addl info as result of site visit to subj facil in order to review environ factors. Response should be submitted by 781025. Response should be suppl to Environ Rept.
REGAN, W.H. Environmental Projects Branch 2. 78/10/11. 9pp. 94366:310.

7810230375 Believes that there is a potential problem w/Class 1E battery racks supplied to subj facil. Addl isolation bar for seismic protec will be available for retrofit w/in 60 days.
MCNAMUS, C.K. ESB, Inc. 78/10/11. 1p. 94271:184.

7810190066 Forwards duplicate of original 780629 ltr containing affidavit re proprietary response to request for addl info. Ltr not previously received.
HOWELL, S.H. Consumers Power Co. 78/10/12. 1p.

7810103008 CPC request to withhold as proprietary section 4.C of the gen Agreement w/Dow of 780621 per 10CFR2790 is granted.
LYNCH, O.D. Environmental Projects Branch 2. 78/10/12. 2pp. 94389:160.

7810240013 Forwards summary dtd 780227: "Summary of March 21-22, 1978 meeting & site visit", for the info of the NRC.
TOURTELLOTTE, J. Office of the Executive Legal Director. 78/10/13. 1p.

--7810240017 Summary of 780321 & 22 meeting w/util in Midland, MI re facility const completion schedule.
CROCKER, L.P. Division of Project Management. 78/03/27. 13pp.

7810240213 Requests addl info for FSAR review. W/encl questionnaire.
VARQA, S.A. Light Water Reactors Branch 4. 78/10/13. 80pp.

7810250199 Repts on site visit to subj facil during week of 780905. Encloses summarized schedule of week's activities & principal personnel contacted.
LYNCH, O.D. Environmental Projects Branch 2. 78/10/13. 15pp. 94392:205.

7810250099 Forwards encl preliminary rept "Preliminary Pump & Valve Inservice Testing Program for CPC Midland Plants Units 1 & 2." Submitted in response to NRC question re FSAR. Plan, in part, to form basis of 781025 meeting w/NRC.
HOWELL, S.H. Consumers Power Co. 78/10/18. 2pp.

7810250131 Requests addl info re estimated OMP annual growth & OM vehicle produc growth rates used to forecast OM elec sales.
REQAN, W. H. Environmental Projects Branch 2. 78/10/18. 3pp.
94392. 260

7811080015 Responds to 781011 NRC request for addl info re 2 items of noncompliance noted in 780817 NRC ltr. Encl 781020 ltr from Bachtel to CPC discusses document control stamping & removal of void drawings from files.
HOWELL, B. H. Consumers Power Co. 78/10/20. 3pp. 94398. 035.

7810270199 Response to 781004 FOIA request for documents re completion dates for subj facil & detailed plant-specific analysis.
Forwards requested documents. W/encl list of documents.
FELTON, J. M. Division of Rules and Records. 78/10/23. 2pp.
94056. 308

7810270201 FOIA request for documents re estimated constr completion dates for subj facil & "detailed plant-specific analysis" of those units.
ODW, W. Public Interest Research Group. 78/10/04. 1p. 94056. 310.

7810310293 Approves request for withholding section 4.C of the Gen Agreement between Dow Chem & util re price of energy sold to util under agreement. Price & cost of producing energy is held to be confidential info by NRC.
REQAN, W. H. Environmental Projects Branch 2. 78/10/23. 3pp.

7811070332 Summary of 780913 Meeting at Bethesda, MD on info requested by Auxiliary Sys Branch re main steam & process steam piping, reactor coolant pump cooling & fuel tank drop.
HOOD, D. H. Light Water Reactors Branch 4. 78/10/23. 4pp.
94038. 358.

7811130021 Summary of 780914 meeting w/util, Bachtel Corp & B&W in Bethesda, MD re separation criteria & administrative procedures for installation of Class IE balance of plant equipment & circuits identified in PSAR Amend 32.
HOOD, D. Light Water Reactors Branch 4. 78/10/23. 4pp. 94073. 313.

7810310364 Concludes that separation criteria for NSSB & Class IE balance-of-plant equipment to non-Class IE circuits are per IEEE Std 384-1974 & Reg Guide 1.75 & acceptable.
VARQA, S. A. Light Water Reactors Branch 4. 78/10/24. 3pp.
94093. 106

7811010092 Act receipt of 780929 interim rept re settlement of Diesel Generator Found & Bldg. Final rept will be reviewed upon receipt.
HEIBERMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/10/24. 1p. 94381. 013.

7811010008 Responds to 780926 ltr requesting NRC decision re review & potential release of section 4.C of contract between Dow Chem Co & Consumer Pwr Co. NRC finds section 4.C matl confidential & proprietary. Request is denied.
FELTON, J. M. Division of Rules and Records. 78/10/26. 1p.
94290. 240.

--7811010010 FOIA request for info re correspondence involved in contract between Dow Chem & Consumer Pwr Co.
FREEDKIN, B. Public Interest Research Group. 78/09/26. 1p.
94290. 241.

--7811010013 FOIA request for section 4.C specifying rates & charge for process steam supplied to Dow Chemical by util.
FREEDKIN, B. Public Interest Research Group. 78/07/15. 2pp.
94290. 242

7811130107 Notice of 781106 meeting w/subj util on staff requests for addl info re extension of constr completion dates for facil.
HOOD, D. Light Water Reactors Branch 4. 78/10/30. 2pp. 94113. 307.

--7811150109 Requests addl info re constr permit extension as requested on 770829.
VARQA, S. A. Light Water Reactors Branch 4. 78/10/27. 2pp.
94113. 309.

7811240185 Responds to 781025 ltr. City has 41 police officers, 16 patrol cars & no impact on crime rate from constr of subj facil.
HARCEK, D. B. Midland County, MI. 78/10/30. 1p. 94458. 302.

7811240188 Responds to 781025 ltr. Part acreage in City of approx 2700 acres & total park space exceeds standards.
MOFFATT, D. W. Midland City, MI. 78/10/31. 1p.

781140059 Forwards request for addl info re main steam 1 accident. Requires that power distribution distortions caused by stuck rod be considered during both initial portion of later return-to-subcritical-power portion of analyses.
VARQA, S. A. Light Water Reactors Branch 4. 78/11/01. 94425. 001.

7811240166 Confirms 780912 info. 41 law enforcement officers cars involved. Crime rate not affected by constr of subj facil.
MCNUTT, J. R. Midland County, MI. 78/11/01. 1p. 94458.

7811240186 Confirms 780912 telephone conversation. City of treatment facil will be expanded to treat total of 48 million gallons/day & be adequate until 1990.
EHING, W. C. Midland City, MI. 78/11/06. 1p.

7811130143 Notifies applicant of 781128 NRC-sponsored semi-Radiological Effluent Tech Specs for Nuc Pwr Plants. Encl w/Seminar Info Sheet to be completed & returned by 781113. Proposed Agenda.
KEPPLER, J. G. Region 3, Chicago, Office of the Director. 6pp. 94087. 333.

7811240184 Responds to 781025 ltr. Current school enrollment Bldgs in school district can accommodate 2500 new students in 1980.
BAKER, R. Midland City, MI. 78/11/07. 1p. 94458. 301.

7811200159 Forwards for review by Basic Qual Review Team listings of encl portions of BQRT info & schedule for providing currently unavailable data & completed BQRT for
HOWELL, B. H. Consumers Power Co. 78/11/13. 84pp. 02726.

7811200121 Forwards Crane Packing Co Bulletin 347R: "Seal P Test for Nuc Pwr Plant Safety Injection Sys", to support util's assumptions on HPI pump seal leakage as discussed 780920 meeting w/NRC re EBF filtration issue.
HOWELL, B. H. Consumers Power Co. 78/11/14. 83pp. 94290.

7811240190 Responds to 781025 request for confirmation of data re Midland Hosp. Assoc. (personnel count, # of admissions). Confirms info on file is provided by hosp. Occupancy rate 71%
RATHBUN, K. J. Michigan, State of. 78/11/14. 2pp. 94458.

7811280127 Summary of 781106 meeting w/CPC in Bethesda, MD of const completion dates. Draft response to 781027 question encl.
HOOD, D. Light Water Reactors Branch 4. 78/11/14. 10pp.

7811280130 Notification of 781203-04 meetings w/CPC in Mid settlement of diesel generator bldg & other structures. Agenda encl.
HOOD, D. Light Water Reactors Branch 4. 78/11/14. 4pp.

7811280131 Summary of 780820 meeting on steam line break & cold shutdown position & safeguards pump room leakage. W/ list of attendees & applicant's responses to NRC question.
HOOD, D. Light Water Reactors Branch 4. 78/11/14. 27pp.

7811270087 Forwards request for addl info for review of app lic for subj facil. Response req by 781208: 3 originals & copies: 41 are to be forwarded & 109 to be retained.
REQAN, W. H. Environmental Projects Branch 2. 78/11/16. 94260. 340.

7811280091 Forwards Rev#1 "Draft Radiological Effluent Tech PHR's" (NUREG-0472) & "Preparation of Radiological Effluent Tech Spec for Nuc Pwr Plants" (NUREG-0133). W/encl 7811270173 & 7811270180.
VABBALLO, D. B. Assistant Director for Light Water Reactors 78/11/16. 6pp. 02726. 322.

7811300007 Forwards order extending completion on dates for 791201 to 811001 & 811001 for Units 1 & 2, respectively.
VARQA, S. A. Light Water Reactors Branch 4. 78/11/17. 3p. 94069. 348.

--7811300011 Order extending const completion dates from 781201 & 791201 to 821001 & 811001 for Units 1 & 2, respectively. Evaluation of request for extension of CPPR-B1 & CPPR-B2 encl.
BOYD, R. S. Division of Project Management. 78/11/17. 7pp.
94069:344.

--7811300019 States environ impact statement for extension of constr permit not warranted. All necessary info described in Final Environ Statement-Constr Permit Stage.
REYAN, W. H. Environmental Projects Branch 2. 78/11/17. 2pp.
94077:023.

--7811300023 EIA concluding no EIS need be prepared for proposed action.
* Division of Site Safety & Environmental Analysis. 78/11/17.
2pp. 94077:023

7812050094 Safety evaluation supporting extension of Const Permits CPPR-B1 & CPPR-B2
HOOD, D., VARQA, S. A. Light Water Reactors Branch 4. 78/11/17. 5pp.

--7812050097 Environ Impact Appraisal concluding that extension of subj Facil Constr Permits CPPR-B1 & CPPR-B2 will cause no major addl environ impact. W/Negative Declaration.
* Division of Site Safety & Environmental Analysis. 78/11/17.
2pp.

7811270147 Forwards Amend 53 to CP & DL application, containing update to general info portion.
HOWELL, S. H. Consumers Power Co. 78/11/21. 1p. 94271:343.

--7811270151 Amend 53 to CP & DL application re basis for completion date extension. Unit 1 extension from 771201-781201 to 811001-821001 & Unit 2 extension from 781201-791201 to 801001-811001. Delay partially due to finances.
* Consumers Power Co. 78/11/21. 15pp. 94271:344.

7811270152 Forwards addl copies of CPC responses to Suppl Requests for Addl Info. Part 2, originally transmitted to NRC by ltr of 781102. W/encl AND: 7811160108.
HOWELL, S. H. Consumers Power Co. 78/11/21. 1p. 94232:355.

7812070280 Notification of 781211 meeting w/CPC, Bachtel & B&W in Bethesda, MD to appeal NRC position that facilities be capable of obtaining cold shutdown conditions using only safety grade equipment.
HOOD, D. Light Water Reactors Branch 4. 78/11/27. 4pp. 94083:034.

7812050142 Forwards Cert of Svc for Appl for Constr Permit & Oper Lic, Amend #53.
BACON, J. L. Consumers Power Co. 78/11/29. 2pp. 94334:330.

7812050213 Forwards Certificate of Svc for Amend 54 to CP & DL application, containing Revision 15 to FSAR.
BACON, J. L. Consumers Power Co. 78/11/30. 1p. 94318:345.

7812120002 Forwards supplemental second round question from Reactor Physics Section re criticality of proposed high density storage sys. [Encl 8008130549]
TEDESCO, R. L. Division of Systems Safety. 78/12/01. 1p. 94274:295.

7812280110 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. G. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp.

7812180391 Responds to request for withholding info submitted on 780609 & 0629 (ref 10CFR2.790). Forwards tables listing criteria used by B&W to determine whether submitted matls are proprietary & proprietary claim of matl submitted.
VARQA, S. A. Light Water Reactors Branch 4. 78/12/07. 7pp.
94357:266.

7812260188 Discusses questions raised during visit re diesel generator settlement problem.
COONE, T. C. Consumers Power Co. 78/12/07. 2pp. 94139:156.

7812210294 Notification of 781220 meeting w/CPC & B&W in Bethesda, MD to discuss single failure proof crane for spent fuel details of full-scale modeling tests planned for containment sump & steam line break analysis w/stuck control rod assembly.
HOOD, D. Light Water Reactors Branch 4. 78/12/11. 4pp. 94167:320.

C. Utility Environmental Report (ER), amends & correspondence

7811170294 Forwards Amend 52 to Environ Rept re corrections of errors & requests for addl info re original Amend.
HOWELL, S. H. Consumers Power Co. 78/11/10. 1p. 94045:274.

--7811170298 Amend 52 to Environ Rept re correction of errors & requests for addl info as requested by WH Regan's 780522:781011. & 781018 ltrs.
HOWELL, S. H. Consumers Power Co. 78/11/10. 202pp. 94045:277

7811070149 Responds to 781011 NRC ltr re review of subj facil Environ Rept-Oper Lic Stage. Answers questions re archeological investigation of Tittabawassee River Floodplain, mitigation or avoidance of archeological sites, ecological survey.
HOWELL, S. H. Consumers Power Co. 78/10/20. 2pp. 94044:096.

7811280282 Forwards affidavit distributing copies of Amend #52 to CPC's Appl for Constr Permit. Cert of Svc encl.
BAN, J. Consumers Power Co. 78/11/20. 4pp. 94395:228

7812190095 Forwards affidavit for Amend 55 Rev4 to Environ Rept appl for reactor constr permit & oper lic on 781211.
BACON, J. L. Consumers Power Co. 78/12/12. 4pp. 94381:034

D. NRC Draft/Final Environmental Statements, suppl & correspondence

7812050222 Ack cooperation in providing info for EIS for subj facils. Requests written confirmation of data provided re staffing, admissions & occupancy rate of Midland Hospital.
HONG, S. W. Argonne National Laboratory. 78/10/25. 1p. 94201:148

7812050225 Ack cooperation in providing info for EIS for subj facils. Requests written confirmation of data provided re planned expansion of water capacity of City of Midland.
HONG, S. W. Argonne National Laboratory. 78/10/25. 1p. 94201:199.

7812050227 Ack cooperation in providing info for EIS for subj facils. Requests written confirmation of data provided re acreage of parkland in the City of Midland & that the total space devoted to parks & recreation exceeds gen standards.
HONG, S. W. Argonne National Laboratory. 78/10/25. 1p. 94201:200.

7812050232 Ack cooperation in providing info for EIS for subj facils. Requests written confirmation of data provided re # of law enforcement officials & patrol cars in Midland County, & that constr of facils has not affected local crime rate.
HONG, S. W. Argonne National Laboratory. 78/10/25. 1p. 94202:023.

7812050239 Ack cooperation in providing info for EIS for subj facils. Requests written confirmation of data provided re # of police & patrol cars in City of Midland, & that constr of facils does not impact on local crime rate.
HONG, S. W. Argonne National Laboratory. 78/10/25. 1p. 94202:045

7812050244 Ack cooperation in providing info for EIS for subj facils. Requests written confirmation of data provided re current enrollment & unused capacity of the Bullock Creek School District.
HONG, S. W. Argonne National Laboratory. 78/10/25. 1p. 94202:067.

7812050250 Ack cooperation in providing info for EIS for subj facils. Requests written confirmation of data provided re current enrollment & unused capacity of the Midland School District.
HONG, S. W. Argonne National Laboratory. 78/10/25. 1p. 94202:114.

7812050255 Ack cooperation in providing info for EIS for subj facils. Requests written confirmation of data provided re confirmation by State Supreme Court of annexation.
HONG, S. W. Argonne National Laboratory. 78/10/25. 1p. 94202:127.

G. Adjudicatory correspondence

7811000146 Forwards contentions that HI law prevents lic that creates a nuisance, illegal radist spills are occurring, spent fuel rod storage has created hazards, icing & fogging nuisance is occurring & present tech fails to achieve zero emission.
MARSHALL, W. H. Mapleton Intervenor. 78/10/31. 1p. 94047:169.

7811300369 Memorandum & order postponing special prehearing conference previously scheduled for 781115, until 781214 at same hr & location.
SMITH, I. W. Atomic Safety and Licensing Board Panel. 78/11/13. 3pp. 94136:281.

7812280350 Memo of CPC re environ effects of radon per NRC Order of 781106. Asserts that Perkins decision is supported by record of that proc & that radon emissions do not critically affect cost-benefit balance. W/encl documentation & Cert of Svc.
MILLER, M. L., O'BRIEN, M. E. Isham, Lincoln & Seale. 78/12/08. 19pp. 94082:217.

781010309 Answer of Consumers Pwr Co to Petition for Leave to Intervene of W H Marshall on behalf of the Mapleton intervenors. Intervention should be denied for untimeliness, & participation would not contribute to record. 78/09/28 13pp. MILLER, M. I. Q188B, M. E. Isham, Lincoln & Beale 94061 016

781020312 Notice of withdrawal from proceeding as of 780929. Certificate of Svc encl. GROSSMAN, M. J. Hearings Division. 78/09/29 3pp

7810140027 NRC staff answer to petition submitted 780909 by W. Marshall requesting leave to intervene on behalf of Mapleton intervenors. NRC staff does not oppose petition at this time. OLMSTEAD, W. J. Office of the Executive Legal Director. 78/10/03 7pp 94421 032

781020381 Notice of Withdrawal of Appearance accompanied by Notice of Appearance for David Sonderman, replacing Cohen & Cert of Svc CDHEN, R. C. Arnold & Porter 78/10/06 5pp. 94354 282.

7810240157 Notice of hearing on issuance of OL license SER, FEB, DEB, ACRB rept on OL application, Tech Specs & intervention petitions, related papers & Board 780814 memorandum & order may be inspected at NRC PDR Certificate of Svc encl. SMITH, I. W. Atomic Safety and Licensing Board Panel. 78/10/12 4pp.

7810250188 Memorandum & order granting WM Marshall temporary status as intervenor pending Board final determination on adequacy of intervention petition. Mapleton intervenors may file amended petition demonstrating interest in proceeding. SMITH, I. W. Atomic Safety and Licensing Board Panel. 78/10/12 6pp. 94392 241

7810300311 Repts predicted util figures for long-term electricity demand for 1978-88 per latest short-term forecast MILLER, M. I. Isham, Lincoln & Beale 78/10/18 2pp. 94253 317

781010006 Forwards another copy of the Bd Memo & Order of 780814 & Notice of Hearing on issuance of Facil Oper Lic of 781012 In response to 781018 Mailgram Informs that requests for data should go to staff, not BD. W/o encl. SMITH, I. W. Atomic Safety and Licensing Appeal Panel. 78/10/23 2pp 94290 237.

781080048 Requests rescheduling of NRC hearing in Midland, MI from 781015 to another date. MARSHALL, W. H. Affiliation Unknown 78/10/29 1p. 94398 140.

7812060152 Order referencing re annexation of subj site to City of Midland, MI forwarded as encl to AND: 7811240199. HARRISON, M. O. Michigan, State of. 78/10/30 43pp. 01791 057.

7811130189 In response to motion of 781029 from W Marshall re rescheduling of prehearing conference, ordered that S Gandler will represent Marshall & Mapleton intervenors at the special prehearing conference. SMITH, I. W. Atomic Safety and Licensing Board Panel. 78/10/31 2pp. 03553 330.

--7811130192 Request by intervenor W Marshall for continuance of special prehearing conference on 781110 due to his unavailability on that day. Request for resched made on his own behalf & on behalf of Mapleton intervenors. MARSHALL, W. H. Affiliation Unknown. 78/10/29 1p. 03553 332.

7811210040 Submits addl contentions in support of 780906 contentions objecting to subj facil re illegal charges & spills, geological conditions & storage of spent fuel rods. Certificate of Svc encl. MARSHALL, W. H. Mapleton Intervenors. 78/10/31 3pp. 94101 351.

7811130039 Requests that CPC file brief supporting util position that WM Marshall petition to intervene be barred by 781031 res judicata. Certificate of Svc encl. MARSHALL, W. H. Mapleton Intervenors. 78/11/02 1p. 94112 349.

7811210036 Serves BJ Gandler w/ "Brief of Consumers Pwr Co in support of its position that Marshall's petition to intervene is barred by res judicata." Q188B, M. E. Isham, Lincoln & Beale. 78/11/02 1p. 03557 039.

7811210493 Contention of intervenor M Sinclair. Asserts that NRC Staff is responsible for assuring compliance w/ Atomic Energy Act of 1954. Also claims that NRC has not implemented an effective direct inspec prog. Cert of Svc encl. SINCLAIR, M. P. Affiliation Unknown. 78/11/03 40pp. 03558 163.

7811130232 Only issue remaining. 7811130232 will also address issue of charge re CPC's conduct. Bd will not consider CPC's alleged environ effects of reason. Bd will not consider CPC's alleged history of QA-QC violations & lack of financial qualifications. CHILK, S. J. Office of the Secretary of the Commission. 7pp. 94273 086.

7811220215 Supple 781018 notice of hearing that special pre conference per 10CFR2.781(a) would begin on 781113. Meeting will not be held on 781214 in Midland, MI. SMITH, I. W. Atomic Safety and Licensing Board Panel. 78/11/03 1p. 94071 282.

7812060126 Requests change of location for 781214-15 prehearing conference from Midland, MI to Chicago, IL. CHERRY, M. M. Cherry, M. M. /Cherry, Flynn & Kantor. 78/11/03 94382 025.

--7812060172 Requests comments on NRC 781106 memorandum & order regarding consideration of operating & const matters. CHERRY, M. M. Cherry, M. M. /Cherry, Flynn & Kantor. 78/11/03 94382 027.

7811300356 Objects to M Cherry 781113 request to change location of licensing hearings to Chicago. Poor health would prevent attendance if hearing was not held in Midland, MI. Certificate of Svc encl. MARSHALL, W. H. Affiliation Unknown. 78/11/17 1p. 94112 349.

7812050257 Informs that ltr transmitting radon record should be stamped "Served 781117." * Docketing & Services Branch. 78/11/21 1p. 94202 141.

7812010297 Memorandum & order confirming date of special pre conference. Location of future sessions will be discussed at conference. Board will begin 781214 by dealing w/ problems involving lawyers. Limited appearance statements deferred. SMITH, I. W. Atomic Safety and Licensing Board Panel. 78/11/03 94417 123.

7812140087 Brief submitted by CPC in response to ABLB Order. CPC asserts that 27 of petitioner to intervene M Sinclair's contentions are inadmissible & that petition to intervene of W Marshall be denied. Cert of Svc encl. MILLER, M. I., Q188B, M. E. Isham, Lincoln & Beale. 78/11/03 94328 242.

7812140362 Answer of CPC to Motion by M Cherry, representing intervenors other than Dow Chem Co, for joint consideration of oper & const matters. CPC asserts that consolidation neither req nor justified. Cert of Svc encl. MILLER, M. I., Q188B, M. E. Isham, Lincoln & Beale. 78/11/03 03557 251.

7812260065 Forwards "Participation in the Instant Proc." TAYLOR, O. T. Michigan, State of. 78/11/28 1p. 94027 141.

--7812260067 "Participation of the State of MI in the Instant Proc. to Bd Order 781117 requiring MI to advise if it intends to participate. Scope & subj matter of intended participation are outlined. TAYLOR, O. T. Michigan, State of. 78/11/28 2pp. 94027 141.

7812260298 NRC Staff's Response to contentions of petitioner Mapleton intervenors. Staff asserts that contentions 1, 3, 4, 6 & 7 are vague or w/out basis in fact. Contentions 2 & 5 may be proper if rephrased. W/ Cert of OLMSTEAD, W. J. Office of the Executive Legal Director. 3pp. 94160 032.

--7812260305 NRC Staff's response to Contentions of petitioner M Sinclair. Staff objects to contentions 1, 2, 3, 39-41, 43, 46, 44a, 45a, 47a-54. No objection is made to contentions 22, 24, 27-34, 42-44, 47, 48 & 46a. OLMSTEAD, W. J. Office of the Executive Legal Director. 10pp. 94160 035.

7812140223 Responds to 781120 request for advance notification of meetings between NRC & consumers re subj site. Respondent already been sent such notices, & recent Fed Register affirms open meeting policy which holds for subj site. OLMSTEAD, W. J. Office of the Executive Legal Director. 1p. 94204 340.

7812180383 Corrects factual error in 781128 Consumers Pwr Co. Steam rate may or may not be subj to jurisdiction of M. Bvc Comm. Q188B, M. E. Isham, Lincoln & Beale. 78/11/29 1p. 94204 340.

7812280325 Forwards documents re settlement of Diesel Generator Bldg Foundations at subj facil.
OLMSTEAD, W. J. Office of the Executive Legal Director 78/12/07.
14pp. 94082:141.

--7812280332 Forwards 781120 ltr from M Cherry w/possible allegations against resident NRC inspector at subj facil.
DAVIS, J. O. Office of Inspection & Enforcement, Office of the Director. 78/12/05. 1p. 94082:360.

--7812280334 Forwards ltr from M Cherry re subj constr proj. Response is being prepared.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/24. 1p. 03555:152.

--7812280340 Expresses concern that NRC is attempting to minimize problem of diesel generator bldg settlement at subj facil. Suggests NRC resident inspector may be co-opted by util. Requests info & permission to attend next inspec.
CHERRY, M. M. Cherry, M. M. /Cherry, Flynn & Kantor. 78/11/20. 3pp. 03555:157.

--7812280343 Transfers lead responsibility for problem of significant settlement of diesel generator bldg to NRR. W/enc1 repts on deficiency.
VABALLO, D. B. Assistant Director for Light Water Reactors. 78/11/17. 11pp. 94082:204.

7812270132 NRC Staff's response to NRC Memo & Order of 781106 re radon issue. Asserts that ABLB has no need for addl written evidence re radon question. Notice of appearance for BH Bordenick & Cert of Bvc encl.
BORDENICK, B. H. Office of the Executive Legal Director. 78/12/08. 10pp. 94161:086.

H. General correspondence

7811010014 Requests OL documents: 50-329 & 50-33 to be sent to N Hatlie P. O. Box 103, 3609 Shoreline Dr., Narver, Mn 55392, also to place Hatlie on circulatory list.
HARBHALL, W. H. Mapleton Intervenor. 78/10/18. 1p. 94290:239.

7812280198 Responds to 781120 ltr. Forwards info re resident inspector being co-opted by Midland personnel. NRC has initiated an investigation into settlement of diesel bldg at facil.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/12/14. 125pp. 94373:090.

K. Utility Final Safety Analysis Report (FSAR) & amends

7812010252 Rev 15 to the FSAR vols 1 & 2: responses to requests for addl info. rev re orifice rod assemblies & high density fuel racks & routine design dev. addl info scheduled for entry. W/enc1 amend appl for CP & DL.
* Consumers Power Co. 78/11/30. 1300pp.

7810230192 Forwards Amend 51 to CP & OL applications, consisting of Revision 14 to FSAR.
HOWELL, S. H. Consumers Power Co. 78/10/17. 1p.

--7810230196 Revision 14 to FSAR, Vols 1&2.
* Consumers Power Co. 78/10/17. 1153pp.

7810270168 Forwards Cert of Bvc for copies of Amend#51 (Rev 14 to Final Safety Analysis Rept) to appl for constr permits & oper lics.
BACON, J. L. Consumers Power Co. 78/10/24. 2pp. 94056:266.

7812010251 Forwards Amend 54 to CP & DL application, containing Revision 15 to FSAR.
HOWELL, S. H. Consumers Power Co. 78/11/27. 18pp. 94390:159.

7812120154 Forwards advance copy of util response to NRC Request 421.2. "QA During Operations Phase." FSAR Subsection 17.2 re personnel training, staff changes, cleaning of fluid sys & QA audit. Response to be submitted w/Revision 16 of FSAR.
HOWELL, S. H. Consumers Power Co. 78/12/08. 11pp. 94276:266.

M. Antitrust correspondence

7812180246 Intervenor & applicant CPC repts that prospect for settlement of issues contested in proceedings re subj facil is excellent. An understanding has been reached in all but 2 areas. Cert of Bvc encl.
ROSS, W. M., WATSON, K. B., Weld, Hartrader & Ross. JABLON, R. A. Spiegel & McDiarmid. 78/12/06. 4pp. 94359:335.

G. Inspection reports, IE Bulletins & correspondence

7812030333 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12 W/enc1 AND: 7811300053.
KEPPLER, J. O. Region 3, Chicago, Office of the Director 78/11/24. 1p. 94409:001.

7812080249 Informs NRC of ongoing preparation of response to IE Bulletin 78-12, "A Typical Weld Metl in Reactor Pressure Vessel Welds" for subj facil & states that written response will be forwarded by 781215.
HOWELL, S. H. Consumers Power Co. 78/11/28. 1p. 94137:191.

7812140021 Forwards IE Inspec Repts#50-329/78-11 & 50-330/78-11 on 780926-28 during which no items of noncompliance were noted.
HEISHMAN, R. F. Region 3, Chicago, Office of the Director. 78/10/27. 2pp. 94119:347.

7810270024 Forwards I & E Initial Rept on Response to Bulletin 77-05/05A re Use of Elec Connectors. Appropriate 8ds should be notified where there is a question re use of connectors in safety sys. Memo dtd 780207 also encl.
TEDESCO, R. L. Assistant Director for Plant Systems 78/02/08. 1p.

--7810270246 Forwards "Status of Responses from Licensees of Plants and Construct to Bulletins 77-05 & 05A".
MOBELEY, N. C. Division of Reactor Construction Inspection. 78/02/07. 3pp.

7811130340 Forwards IE Inspec Repts#50-329/78-09 & #50-330/78-09 on 780829-31 & Notice of Violation.
HEISHMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/09/21. 2pp. 94007:309.

--7811130343 Notice of Violation from Inspec on 780829-31.
* Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/09/21. 1p. 94007:311.

--7811130350 IE Inspec Repts#50-329/78-09 & #50-330/78-09 on 780829-31 during which 1 item of noncompliance was noted: failure to follow procedure in welding root pass.
LEE, E. W., DANIELSON, D. H. Region 3, Chicago, Office of the Director. 78/09/21. 5pp. 94007:312.

7810160197 "Preservice & First 10-Yr Interval Insp Plan for NDE & Sys Pressure Testing at CPC Midland Units 1 & 2." Prepared for util.
BLAGER, H. W., BIRKLE, A. J., MAYNARD, C. J. Bechtel Corp 78/09/29. 247pp.

7810160196 Forwards "Preservice & First 10-Yr Interval Insp Plan for NDE & Sys Pressure Testing at CPC Midland Units 1 & 2." Data reported in Section 3 of plan is preliminary & subj to change as const progresses. Plan basis of 781025 meeting.
HOWELL, S. H. Consumers Power Co. 78/10/05. 2pp. 94007:150.

7811140048 Forwards IE Inspec Repts#50-329/78-10 & #50-330/78-10 on 780913-15 during which no items of noncompliance were noted.
HEISHMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/10/10. 2pp. 94420:343.

--7811140054 IE Inspec Repts#50-329/78-10 & #50-330/78-10 on 780913-15 during which no items of noncompliance were noted. Major areas inspected included: Installation of safety-related hangers & restraints.
VIN, I. T. Region 3, Chicago, Office of the Director
DANIELSON, D. H. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/10/10. 6pp. 94420:343.

7810200211 Ack receipt of 780918 ltr informing NRC of steps taken to correct item of noncompliance identified in IE Insp Repts 50-329/78-07 & 50-330/78-07. Addl info is requested.
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/10/11. 2pp. 94367:064.

7811070336 Responds to 780921 NRC ltr re noncompliance noted in Inspec Repts#50-329/78-09 & 50-330/78-09. Corrective actions: rev of Bechtel Welding Procedure Spec & Bechtel Project Quality Control Instruction#7220/W-1.00.
HOWELL, S. H. Consumers Power Co. 78/10/23. 3pp. 94043:080.

7812140028 IE Inspec Repts#50-329/78-11 & #50-330/78-11 on 780926-28 during which no items of noncompliance were noted. Major areas inspected incl: Babcock & Wilcox Constr Co nondestructive examination prog procedures & personnel cert.
WARD, K. D., DANIELSON, D. H. Region 3, Chicago, Office of the Director 78/10/26. 7pp.

Repts#50-329/78-03 & #50-330/78-03 Corrective actions held
spec rev. weld voltage range monitoring procedure prepared;
disagrees on 15% voltage range limitation
HOWELL, S. H. Consumers Power Co. 78/10/31. 2pp. 94013:023

7812060064 Forwards IE Inspec Repts#50-329/78-13 & #50-330/78-13 on
780724-28, 31, 0801-31, 0901-08 & Notice of Violation.
HEISHMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering
Support Branch. 78/11/03. 2pp. 94232:254.

--7812060067 Notice of Violation from Inspec on 780724-0728.
* Region 3, Chicago, Reactor Construction & Engineering Support
Branch. 78/11/03. 2pp. 94232:255

--7812060070 IE Inspec Repts#50-329/78-13 & #50-330/78-13 on 780724-0908
during which 2 items of noncompliance were noted: welds with
unequal outside diameters were accepted & Safety Related
Control Rod Drive Primary Breakers were not well protected.
COOK, R. J., HAYNES, D. W. Region 3, Chicago, Office of the Director.
78/11/03. 6pp. 94232:258

781150057 Forwards IE Circular 78-18.
KEPPLER, J. G. Region 3, Chicago, Office of the Director. 78/11/06
1p. 94112:192.

7811200041 Ack receipt of 781020 ltr informing NRC of steps taken to
correct violations noted during Inspec.
HEISHMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering
Support Branch. 78/11/08. 1p. 94215:323.

7812140130 Forwards IE Inspec Repts#50-329/78-14 & 50-330/78-14 on
780910-29 during which no items of noncompliance were noted.
HEISHMAN, R. F. Region 3, Chicago, Reactor Operations Nuclear Support
Branch. 78/11/08. 2pp. 94128:334

--7812140139 IE Inspec Repts#50-329/78-14 & 50-330/78-14 on 780910-29
during which no items of noncompliance were noted. Major
areas inspected incl: examination of gen site condition &
steam generator & reactor vessel hold down bolting
COOK, R. J., HAYNES, D. W. Region 3, Chicago, Reactor Construction &
Engineering Support Branch. 78/11/06. 4pp. 94128:336.

7811220006 Ack receipt of 781023 ltr informing NRC of steps taken to
correct violations noted in 780921 ltr. Corrective actions
will be reviewed during a future Inspec.
HEISHMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering
Support Branch. 78/11/15. 1p. 94308:246.

7812050102 Ack receipt of 781031 ltr informing NRC of steps taken to
correct violations noted in 780504 & 780913 ltrs. Re issue (b)
NRC requests that sampling measurement sys provide assurance
that all welding machines are covered by amperage & voltage.
HEISHMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering
Support Branch. 78/11/22. 1p. 94335:287.

7812140080 Ack receipt of IE Bulletin#78-12A re atypical weld matl in
pressure vessels. Response will be consistent w/extended
sched of IE Bulletin#78-12A.
HOWELL, S. H. Consumers Power Co. 78/12/03. 1p. 94128:224.

7812270015 Forwards IE Bulletin 78-14.
KEPPLER, J. G. Region 3, Chicago, Office of the Director. 78/12/19.
1p. 06911:001.

R. Periodic operating reports & related correspondence

7810270142 Forwards Monthly Nonconformance rept for Sept 1978.
HOWELL, S. H. Consumers Power Co. 78/10/23. 1p. 94060:050.

S. Reportable occurrences, LERs & related correspondence

7812010155 Ack receipt of 781110 interim rept pursuant to 10CFR50.55(e)
re reactor building spray piping supports
HEISHMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering
Support Branch. 78/11/22. 1p. 94418:125.

7810180095 Interim deficiency rept re reactor bldg spray piping
supports. Bechtel Associates Prof Corp rept on status of
corrective action & investigation encl. Further rept to be
submitted by 781117.
HOWELL, S. H. Consumers Power Co. 78/10/13. 4pp. 94401:028.

7811010401 Ack receipt of 780929 final deficiency rept re containment
bldg personnel airlocks. Review will be completed during
future Inspec.
HEISHMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering
Support Branch. 78/10/24. 1p. 94388:323.

Final rept will be reviewed upon receipt.
HEISHMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering
Support Branch. 78/10/25. 1p. 94375:355.

7811070222 Ack receipt of 781013 interim rept re reactor bldg spray
piping supports.
HEISHMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering
Support Branch. 78/10/30. 1p. 94039:141.

7811170212 Interim deficiency rept re settlement of diesel generator
foundations & bldg. Provides status of actions to be taken.
Review meeting tentatively planned for last two wks in Nov.
Further rept to be submitted by 781229.
HOWELL, S. H. Consumers Power Co. 78/11/07. 7pp. 94136:114

7811170222 Interim deficiency rept re reactor bldg spray piping
supports. Provides status of analysis being conducted to
resolve question of adequacy of supports per ASME Section
111 Code allowable stress requirements. Final rept by 781219.
HOWELL, S. H. Consumers Power Co. 78/11/10. 4pp. 94136:213.

7811220176 Interim deficiency rept re Class 1E station battery. Exide
Industrial Battery Div asked to provide additional info
describing condition, failure mode & analysis of why
condition was reportable. Related correspondence.
HOWELL, S. H. Consumers Power Co. 78/11/17. 2pp. 94623:267.

--7811220178 Reports that add'l isolation bar must be added to Class 1
battery racks sent to subj facil in order to isolate
horizontal momentum during seismic events. Design is being
worked out & will be ready in 60 days for retrofit.
MCMANUS, C. K. ESB, Inc. 78/10/11. 1p. 94623:269.

7811290293 Ack receipt of 781117 interim rept pursuant to 10CFR50.55(e)
re settlement of diesel generator foundations & bldg.
HEISHMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering
Support Branch. 78/11/22. 1p. 94539:246.

7812040287 Ack receipt of 781110 interim rept re reactor bldg spray
piping supports.
HEISHMAN, R. F. Region 3, Chicago, Office of the Director. 78/11/22.
1p.

7812140266 Ack receipt of 781117 interim deficiency rept re class 1E
station battery racks
HEISHMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering
Support Branch. 78/11/22. 1p. 03537:288.

7812040218 Interim deficiency rept re component qualification test
documentation re-review. Rept is being generated by Bechtel
documenting status of re-review & results on individual matl
qualification basis for all G-components requiring testing.
HOWELL, S. H. Consumers Power Co. 78/11/28. 2pp. 94445:359.

7812270184 Interim deficiency rept re reactor bldg spare piping
supports. Bechtel Associates Prof Corp rept on status of
analysis being conducted to resolve question of adequacy of
reactor bldg spray piping supports per ASME requirements.
HOWELL, S. H. Consumers Power Co. 78/12/15. 3pp. 94017:361.

7812270234 Forwards nonconformance rept for Nov 1978. (Encl 8008180685)
HOWELL, S. H. Consumers Power Co. 78/12/20. 2pp. 94016:082.

7812290146 Interim deficiency rept re settlement of diesel generator
foundations & bldg. Use of preloaded to densify existing fill
matl in place selected as corrective action. Bechtel rept
detailing tasks to be sent by Jan. Related correspondence.
HOWELL, S. H. Consumers Power Co. 78/12/21. 2pp. 94190:281.

DOCKET 50-331 DUANE ARNOLD ENERGY CENTER

F. Security, medical, emergency & fire protection plans

7810230173 Analysis of subj facil fire protec sys will be submitted by
781113.
LIU, L. Iowa Electric Light & Power Co. 78/10/10. 1p. 94164:299.

7811070121 Responds to 781031 NRC request for fire protec mod effort.
Forwards design info re Control Room fire hazards & Water
Suppression Sys. Requests approval by 781030.
LIU, L. Iowa Electric Light & Power Co. 78/10/30. 3pp. 94038:292.

7811170159 Forwards subj facil security Proj. sched. Recent proj incl
sitework & fencework continuing on sched. security hardware
contract has commenced. bldg facil contract constr work has
commenced.
LIU, L. Iowa Electric Light & Power Co. 78/11/01. 3pp. 94048:046.

781130052 Confirms meeting to be held between util & NRC Region III on 781113 to discuss security prog at site, including items of noncompliance identified during past 3 inspections
KEPLER, J. G. Region 3, Chicago, Office of the Director. 78/11/03
1p. 94010 244.

781210106 Forwards Security Proj Sched & states that site & fencing work has been completed while security hardware & bldg facil contract work is proceeding as sched
LIU, L. Iowa Electric Light & Power Co. 78/12/01. 1p 94239 064

781210354 Analyses re adequacy of elec cable fire barrier penetrations will be submitted by 781231 & fire protec sys fire hazard analysis will be submitted by 790131
LIU, L. Iowa Electric Light & Power Co. 78/11/15 1p 94485 016

G. Adjudicatory correspondence

781225023 Requests that NRC institute a hearing suspending facil lic until augmented insvc inspec prog is incorp into the lic
10CFR50.55(a)(1) req licensee to test & inspec qual standards commensurate w/safety function performed.
HALLIN, G. Citizens United For Responsible Energy. 78/12/20. 2pp. 94191 212

H. General correspondence

7812130100 Requests full investigation of pipe cracking of facil since leak was discovered in coolant pipe after elec malfunction shut down reactor. Recommends institution of more efficient inspec & monitoring procedures.
KIEGEL, J. A. Affiliation Unknown 78/11/21 1p. 94294 328

J. Insurance & indemnity information

7810110143 Forwards signed copy of Amend#5 to Indemnity Agreement#B-6B.
BECHMAN, P. E. Iowa Electric Light & Power Co 78/10/04 1p. 94064 277.

--7810110146 Amend#5 to Indemnity Agreement #B-6B, adding Article 8 re payment of premiums.
BALTZMAN, J. Antitrust & Indemnity Group. 78/10/04. 2pp. 94064: 278

P. Operating license stage documents & correspondence

781280030 Forwards request for info on recirculation inlet nozzle analysis, to be delivered in oral & written form at 780707 meeting.
KEPLER, J. G. Region 3, Chicago, Office of the Director. 78/07/03
2pp 02728: 357.

781280016 Summary of meeting on 780707 w/IELP to discuss crack in safe-end on inlet recirculation nozzle, indications in other safe-ends on inlet recirculation nozzles & repair of crack. W/sketch, handouts at meeting & attendance list.
WOODRUFF, R. W. Division of Reactor Operations Inspections 78/07/10. 20pp. 02728: 260.

781280036 Responds to 780703 ltr re subj facil Recirculation Inlet Nozzle Analysis. Covers dynamic analysis on piping, piping isometric drawing of recirculation line, nozzle load summary, design transients for stress analysis, stress analysis.
LIU, L. Iowa Electric Light & Power Co. 78/07/26. 133pp. 02728: 012

781270202 Forwards repair rept entitled, "Duane Arnold Energy Center Recirculation Inlet Safe-End Repair Prog"
LIU, L. Iowa Electric Light & Power Co. 78/07/31. 9pp. 94272: 142.

781280491 Announces expansion of scope of the Pipe Crack Study Group to incl examination of intergranular stress corrosion cracking in the inconel safe ends at subj facil in June 1978 & recommends actions to be taken to determine cause.
DENTON, H. R. Office of Nuclear Reactor Regulation, Director. 78/09/29. 1pp. 94414 279.

--781280493 Outlines recommendations & proposed course of action re results of safe end inspec & metallographics exams relevant to insvc inspec, mod & design qual of 4 types of safe ends for recirculation nozzles.
JORDAN, E. L. Office of Inspection & Enforcement, Office of the Director. 78/09/29. 4pp. 94414 280.

--781280494 Reports that preliminary test results re pump riser crack problem indicates cracks are intergranular & start in area formed by thermal sleeve & inconel transition piece & may exist in other plants.
COLLINS, W. Office of International Programs, Director. 78/09/14. 3pp 94414 284

7810120047 Responds to 780829 NRC ltr re control rods failing to fully insert on scram. No evidence exists that this has occurred according to 1977 records.
HAMMOND, E. L. Iowa Electric Light & Power Co. 78/10/05 1p

7810240104 Invites NRC staff to conduct tech review meeting re repairs on subj facil at corporate headquarters of IELP. This would follow NRC policy of bringing meetings closer to pub actually served by nuc facil.
TUTHILL, S. J. Iowa Electric Light & Power Co. 78/10/06. 1p

7811030203 Forwards Amend#46 to Facil Oper Lic#DPR-49 revising Tech Specs as requested in 770414 ltr w/Safety Evaluation & Notice of Issuance.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790623). 78/10/17
2pp 02724 143

--7811030208 Amend#46 to Facil Oper Lic#DPR-49 revising Tech Specs re limiting conditions for oper & surveillance requirements for drywell to suppression chamber differential pressure control & suppression pool water level.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790623). 78/10/17
7pp. 02724: 145

--7811030210 Notice of Issuance of Amend#46 to Facil Oper Lic#DPR-49 on 781017.
IPPOLITO, T. A. Operating Reactors Branch 3 (Pre 790623). 78/10/17. 2pp. 02724: 160

--7811030215 Safety evaluation supporting Amend 46 to Facil Oper Lic DPR-49 concluding that each Mark I containment sys would maintain its integrity in event of LOCA BWR facils can oper safely.
* Office of Nuclear Reactor Regulation, Director. 78/10/17 5pp 02724: 154

781130335 Summary of 780914 meeting w/OE representatives & Mark I Owners Group re progress of Long Term Prog w/attendance list & agenda (RD-7-A-Mark I Standards).
GRIMES, C. Plant Systems Branch (Pre 791030). 78/10/26. 67pp

7810310220 Forwards "Metallurgical Investigation of Cracking in a Reactor Vessel Nozzle Safe-End". Dtd 781020. No significant deviations expected in final rept which FR will incl stress corrosion cracking review of inconel 600.
LIU, L. Iowa Electric Light & Power Co. 78/10/27 1p. 94089: 115.

781280363 Announces 781114 meeting in Cedar Rapids, IA w/util re repair prog for recirculation sys inlet nozzle safe ends at subj facil.
CLARK, R. Operating Reactors Branch 3 (Pre 790623). 78/11/02 1p. 94397: 227.

781130173 Notifies applicant of 781128 NRC-sponsored seminar re Model Radiological Effluent Tech Specs for Nuc Pur Plants. Encl w/Seminar Info Sheet (to be completed & returned by 781117) & Proposed Agenda.
KEPLER, J. G. Region 3, Chicago, Office of the Director. 78/11/07 6pp. 03933: 233.

7812150161 Notice of workshops re implementation of training & qual requirements contained in Appendix B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out mail, W/encl Registration Form & List of Locations.
MILLER, J. R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 5pp.

7812180279 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for BWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
GRIMES, B. K. Assistant Director for Engineers & Projects (Pre 790623). 78/11/15. 6pp. 94357: 023.

781270291 Forwards immediate action ltr (IAL) requesting subj facil not to resume welding on individual recirculation inlet nozzle piping weld joints until actions of IAL have been met.
KEPLER, J. G. Region 3, Chicago, Office of the Director. 78/11/17. 2pp. 94224: 340.

781290258 Informs NRC that sample location#97 is being dropped from environ monitoring prog, since milk animals are no longer present there.

7812110007 Discusses possible dangers of LOCA in containment purging during normal plant oper Requests either commitment to limit purging or justification for continuing W/encl AND
#7812C80207
IPPLT10.T Operating Reactors Branch 2 (Pre 790623). 78/11/29.
6pp 94339 225

7812130234 Forwards summary of 781113 meeting w/utill re physical security inspec at subj facil from Aug 1977-Aug 1978 Meeting summary w/hold per IOCFR2 790
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/11/30.
2pp 94305 337

7812120205 Notice of 781206 meeting to discuss IA Elec Light & Pur Co responses to outstanding issues from 781114 meeting on repair prog for recirculation sys inlet nozzle safe ends at subj facil.
CLARK, R. J. Operating Reactors Branch 3 (Pre 790623). 78/12/04
2pp. 94276 095

7812140176 Forwards Oct 1978 Prog Activity Review listing meetings held & providing task-by-task activity summary for the month
SOBON, L. J. General Electric Co. 78/12/04 11pp

7812280167 Emphasizes importance of submitting accurate & complete info to NRC by licensee & applicants. Info submitted must be substantiated by data & calculations. Licensee must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J. O. Office of Inspection & Enforcement, Office of the Director 78/12/06. 2pp. 94375 003

7812130136 Forwards rept "Duane Arnold Energy Ctr Recirculation Inlet Safe End Repair Prog. 781208" suppl rept submitted 780731.
Replacement design stress rept encl
LIU, L. Iowa Electric Light & Power Co. 78/12/08. 1p. 94295 001.

--7812130140 "Duane Arnold Energy Ctr Recirculation Inlet Safe End Repair Prog. 781208." Suppl IE Repair Rept submitted on 780731. Repts purpose is to document info presented at 781114 meeting in Cedar Rapids, IA.
* Iowa Electric Light & Power Co. 78/12/08. 101pp. 94295 002.

--7812130145 "Stress Rept Recirculation Inlet Nozzle Safe End Replacement at Duane Arnold Nuc Plant." Incl: primary stress analysis, thermal analysis & primary plus secondary stress analysis.
PARDUE, L. W. Iowa Electric Light & Power Co. 78/08/10. 200pp.
94295 108

7812210118 Confirms meeting on 781218 to discuss alleged welding deficiencies in repair work
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/12/08.
1p. 94269 301.

7812270297 Forwards Safety Analysis Review requested from OE to verify safety of reconstituted core. Informs that during shutdown subj facil experienced higher off-gas rates. Fuel shpping was performed & leaking bondies will be replaced.
LIU, L. Iowa Electric Light & Power Co. 78/12/15. 1p. 94229 349.

--7812270301 Safety analysis review re Cycle 48 modified core. Mods do not involve unrevised safety questions per IOCFR50.59 & no Tech Spec change needed.
* Iowa Electric Light & Power Co. 78/12/15. 8pp. 94229 350.

7812290130 Provides Environ Tech Spec Violation Rept #78-01: on 781211 a discharge of water from make-up demineralizer sys neutralizer tank began w/o tank first being sampled & pH was 12.1 due to incomplete maint work.
HAMMOND, E. L. Iowa Electric Light & Power Co. 78/12/21. 2pp.
94190 214

7812120367 Forwards addl info re multiple consecutive safety/relief valve actuation of Mark I containment program.
SOBON, L. J. General Electric Co. 78/11/13. 3pp.

7812120329 Submits questions re fluid mechanics at subj facil as a result of 781114 pub meeting in Cedar Rapids, IA. W/encl diagrams from Cedar Rapids Gazette.
PUOHR, R. Affiliation Unknown. 78/11/15. 2pp. 94484 314.

G. Inspection reports, IE Bulletins & correspondence

7812060337 Forwards IE Inspec Rept#50-331/78-17 on 780620-23, 780707 & 780711-3 during which no items of noncompliance were noted.
FIORELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/06/27. 2pp. 94332 060.

--7812060340 IE Inspec Rept#50-331/78-17 on 780620-23, 780707 & 780711-3 during which no items of noncompliance were noted. Major areas inspected incl: plant ops, leak records, pipe crack & core offloading.
SHAFFER, W. D. Region 3, Chicago, Reactor Operations Nuclear Support Branch. MENNING, J. E., WALKER, R. Region 3, Chicago, Office of the Director 78/06/27 8pp.

7812020216 Forwards IE Inspec Rept#50-331/78-18 on 780724-26 & Notice of Violation.
FIORELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/09/19. 3pp. 94368 361.

--7812020220 Notice of Violation from inspec on 780705-0816.
KNOP, R. C. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/09/19. 1p. 94368 359.

--7812020222 IE Inspec Rept#50-331/78-18 on 780705-0816 during which 1 item of noncompliance was noted: failure to maintain positive control over a high radiat area.
KNOP, R. C. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/09/19. 7pp. 94370 331.

781130004 Forwards IE Inspec Rept#50-331/78-21 on 780829-30 & Notice of Violation.
FIORELLI, O. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/10/02. 2pp. 94077 009.

--781130005 Notice of Violation from inspec on 780829-30.
* Region 3, Chicago, Office of the Director. 78/09/27. 1p. 94077 007.

--781130010 IE Inspec Rept#50-331/78-21 on 780829-30 during which 1 item of noncompliance was noted: failure to maintain adequate training records.
WRIGHT, O. C., LITTLE, W. B. Region 3, Chicago, Office of the Director. 78/09/27. 3pp. 94077 010.

7810300258 FOIA request for invsc inspec rept of 780301 re subj facil.
CONNOR, L. Affiliation Unknown. 78/10/04. 2pp. 94185 331.

7812120214 Forwards IE Inspec Rept#50-331/78-23 on 780829-31 & 780918-21 & Notice of Violation.
FIORELLI, O. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/12. 2pp. 94487 132

--7812120216 Notice of Violation from inspec on 780918-21.
* Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/12. 1p. 94487 134.

--7812120220 IE Inspec Rept #50-331/78-23 on 780829-31, 780918-21 & 26 & 27 during which 1 item of noncompliance was noted: failure to properly control design change packages.
SHAFFER, W. D., WALKER, R., JACKMAN, R. M. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/10/10. 7pp. 94487 135.

7810230341 Forwards IE Circular#78-17. (See AND: 7810230221, Docket 50-313, 781013)
KEPPLER, J. O. Region 3, Chicago, Office of the Director. 78/10/13. 1p. 94167 039.

7810240112 Forwards responses to NRC request of 780522 for addl info re invsc inspec & testing prog & IELP request for relief from ASME Code requirements at subj facil.
LIU, L. Iowa Electric Light & Power Co. 78/10/13. 146pp.

7811300086 Forwards IE Inspec Rept#50-331/78-22 on 780803-04 & 780818-23 during which no items of noncompliance were noted.
HEIGHMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/10/13. 2pp. 94113 192.

--7811300088 IE Inspec Rept#50-331/78-22 on 780803-04 & 780818-23 during which no items of noncompliance were noted. Major areas inspected included: review of procedures dev for cutting & removal of feedwater recirculation nozzles.
KEY, W. J. Region 3, Chicago, Office of the Director.
DANIELSON, D. M. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/10/13. 5pp. 94113 194.

7810800002 Responds to 781002 NRC ltr re deviation noted in Inspec Rept #50-331/78-21. Corrective actions: training records updated & personnel instructed. Compliance targeted for 781020.
WALLACE, J. A. Iowa Electric Light & Power Co. 78/10/19. 2pp. 94398 001.

781210018 Forwards IE Inspec Rept#50-331/78-23 on 780623-28-30, 0707, 11-12 & 17 during which no items of noncompliance were noted.
HEIGHMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/10/19. 2pp. 94482 023.

781210024 IE Inspec Rept#50-331/78-23 on 780623-0717 during which no items of noncompliance were noted. Major areas inspected incl: test of recirculation sys riser pipe crack (reactor vessel N2 nozzle safe end) WILLIAMS, C. C., KEY, W. J., WARD, K. D. Region 3, Chicago, Office of the Director. 78/10/19. 22pp. 94482:025.

--7811280032 IE Inspec Rept#50-331/78-23 on 780623 during which no items of noncompliance were noted. Major areas inspected incl: nondestructive test activity of Licensee. See AND: 7811210018 WILLIAMS, C. C., KEY, W. J., WARD, K. D. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/10/18. 22pp. 94480:283.

7810310215 Ack receipt of 780929 ltr informing NRC of steps taken to correct violations noted in 780727 NRC ltr. HIND, J. A. Region 3, Chicago, Safeguards Branch. 78/10/24. 1p. 94090:320.

7811010353 Forwards insvc inspec rept & assoc documents for subj facil in response to 781004 FOIA request. FELTON, J. M. Division of Rules and Records. 78/10/24. 2pp.

7811070231 Ack receipt of 780920 ltr & response to noncompliance item #2 of IE Inspec Rept#50-331/78-19: encl discussion of corrective action is withheld from public disclosure. HIND, J. A. Region 3, Chicago, Safeguards Branch. 78/10/24. 2pp. 94039:168.

7811210090 Responds to NRC ltr re violation noted in Inspec Rept #50-331/78-25. Corrective actions: new control method to better control & track design change packages routed thru site review & approval process. WALLACE, J. A. Iowa Electric Light & Power Co. 78/11/03. 2pp. 94482:229.

7811150068 Forwards IE Circular 78-18. KEPLER, J. Q. Region 3, Chicago, Office of the Director. 78/11/06. 1p. 94112:264.

7811200037 Ack receipt of 781019 ltr informing NRC of steps taken to correct violations noted during inspec. FIORELLI, Q. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/08. 1p. 94215:318.

7812140063 Forwards IE Inspec Rept#50-331/78-24 on 780919-22, 26-29 & 1023-27 during which no items of noncompliance were noted. HEIGHMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/11/08. 2pp. 94127:340.

--7812140066 IE Inspec Rept#50-331/78-24 on 780919-22, 0926-29 & 1023-27 during which no items of noncompliance were noted. Major areas inspected incl: review of recirculation safes and repair procedures & observation of installation. KEY, W. J., DANIELSON, D. H. Region 3, Chicago, Office of the Director. 78/11/06. 10pp. 94127:342.

7812120216 Forwards IE Inspec Rept#50-331/78-26 on 781004-06 & 18-20 during which no items of noncompliance were noted. FIORELLI, Q. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/09. 2pp. 94276:137.

--7812120226 IE Inspec Rept#50-331/78-26 on 781004-06 & 18-20 during which no items of noncompliance were noted. Major areas inspected incl: previous noncompliance & outstanding inspec items & review of decontamination methods. SHAFER, W. D. Region 3, Chicago, Office of the Director. JACKIW, I. N., MILLER, D. E. Region 3, Chicago, Reactor Operations Nuclear Support Branch. 78/11/06. 8pp. 94276:139.

7812130129 Forwards IE Inspec Rept#50-331/78-28 on 780726-28, 0818, 0914, 0921, 1002 & 1026, during which no items of noncompliance were noted. HEIGHMAN, R. F. Region 3, Chicago, Reactor Construction & Engineering Support Branch. 78/11/09. 2pp. 94307:196.

--7812130134 IE Inspec Rept#50-331/78-28 on 780726-28, 0818, 0914, 0921, 1002 & 1026, during which no items of noncompliance were noted. Major areas inspected incl: licensee's metallographic studies of recirculation inlet nozzle safe end N2-A. WILLIAMS, C. C., KEY, W. J. Region 3, Chicago, Office of the Director. 78/11/09. 15pp. 94307:198.

7812010053 Ack receipt of 781103 ltr informing NRC of step taken to correct violations noted during inspec & discussed in 780929 ltr. Also submits info re review of forms NRC-741 & 742. KEPLER, J. Q. Region 3, Chicago, Office of the Director. 78/11/16. 2pp. 94416:144.

7812030282 Forwards IE Bulletin#78-12A, suppl to IE Bulletin 78-12. W/encl AND: 7811300055. KEPLER, J. Q. Region 3, Chicago, Office of the Director. 78/11/24. 1p. 94202:288.

7812280323 Ack receipt of 780803 ltr informing NRC of steps taken to correct violations noted during inspec#50-331/78-19. Encl withheld from disclosure. HIND, J. A. Region 3, Chicago, Safeguards Branch. 78/12/14. 1p. 94082:105.

7812280052 Forwards IE Bulletin 78-14. KEPLER, J. Q. Region 3, Chicago, Office of the Director. 78/12/19. 1p. 03554:356.

R. Periodic operating reports & related correspondence

7810200061 Forwards Monthly Oper Rept for Sept 1978. HAMMOND, E. L. Iowa Electric Light & Power Co. 78/10/11. 1p. 94412:191.

--7810200063 Monthly Oper Rept for Sept 1978. VAN BICKEL, J. Iowa Electric Light & Power Co. 78/10/11. 6pp. 94412:192.

7811210390 Forwards monthly Oper Rept for Oct 1978. HAMMOND, E. L. Iowa Electric Light & Power Co. 78/11/13. 1p. 94486:041.

--7811210394 Monthly Oper Rept for Oct 1978. VAN BICKEL, J. Iowa Electric Light & Power Co. 78/11/13. 7pp. 94486:042.

7811280237 Corrects semiannual rept for 3rd & 4th quarter, 1977. Percent of environ tech spec for gaseous effluents during that time should be changed to % of 16% limit: 5.63% third quarter & 6.5% 4th quarter. HAMMOND, E. L. Iowa Electric Light & Power Co. 78/11/17. 1p. 94012:142.

7812190137 Forwards Monthly Oper Rept for Nov 1978. HAMMOND, E. L. Iowa Electric Light & Power Co. 78/12/14. 1p. 94340:251.

--7812190139 Monthly Oper Rept for Nov 1978. VAN BICKEL, J. Iowa Electric Light & Power Co. 78/12/14. 6pp. 94340:252.

B. Reportable occurrences, LERs & related correspondence

7811270160 Notifies NRC of Reportable Occurrence on unspecified date: during inspec of drywell to determine source of unidentified leak, leak was discovered in recirculation loop inlet nozzle & plant was placed in cold shutdown. HAMMOND, E. L. Iowa Electric Light & Power Co. 78/06/19. 1p. 94232:356.

7811270148 Forwards LER#78-030/01T-0. HAMMOND, E. L. Iowa Electric Light & Power Co. 78/06/30. 1p. 94271:360.

--7811270150 LER#78-030/01T-0 on 780617: water leak found in area of "B" recirculation sys N2A inlet nozzle caused by wall crack in nozzle safe end. Lab analysis will be performed to determine cause of cracking. VANBICKEL, J. Iowa Electric Light & Power Co. 78/06/30. 2pp. 94271:361.

7810230152 Repts abnormal occurrence event per 42FR10950 at subj facil: major degradation of primary coolant pressure boundary in boiling water reactor resulted from crack in fitting that joins recirculation pipe to reactor vessel. CHILK, B. J. Office of the Secretary of the Commission. 78/08/02. 6pp. 94194:345.

7810110141 Reports on violation of Environ Tech Spec 3.3.1.B.2 of subj facil. Oper Lic#DPR-49. On 780925 discharge of radioactive liquid effluent was begun prior to completion of sample analysis. Approx 500 gallons were discharged. HAMMOND, E. L. Iowa Electric Light & Power Co. 78/10/04. 2pp. 94066:274.

7810310227 "Metallurgical Investigation of Cracking in a Reactor Vessel Nozzle Safe-End. SWRI Proj 02-3589-001. Interim Rept 781020" Tests & examinations performed incl ultrasonic inspect of safe-end, then analyses of safe-end & thermal sleeve. BURGHARD, H C Iowa Electric Light & Power Co. 78/10/20. 52pp. 94089.113

7811280204 Forwards LER#78-020/OIT-1 HAMMOND, E L Iowa Electric Light & Power Co. 78/11/20. 1p. 94013.262

--7811280206 LER#78-020/OIT-1 on 780405 bearing out-of-alignment & rotated sufficiently to shear bearing dowel pin. Caused by lack of lubrication. Valve line-up procedure changed. VAN BICKEL, J Iowa Electric Light & Power Co. 78/11/17. 2pp. 94013.263.

7812050156 Forwards suppl. "Hardness Data", to 781020 rept by BW Res Inst#02-3589-991, "Metallurgical Investigation of Cracking in a Reactor Vessel nozzle safe-End Interim Rept." LIU, L. Iowa Electric Light & Power Co. 78/11/27. 8pp. 94335.086.

DOCKET 50-332 BARNWELL REPROCESSING PLANT

A. Application/construction stage documents & correspondence

7812180147 Requests that Constr Permit CPCBF-4 For Separations Facil be extended to 811231. BAXTER, R.C. Allied General Nuclear Services. 78/11/09. 3pp. 94365.254.

7812180144 Forwards addl copies of 781109 request for extension of completion date under Constr Permit CPCBF-4. BAXTER, R.C. Allied General Nuclear Services. 78/11/14. 2pp. 94365.259.

G. Inspection reports, IE Bulletins & correspondence

781130009 Forwards inspec Rept#50-332/78-4 on 780822-25 during which no items of noncompliance were noted. BUTERLAND, J.T. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/29. 2pp. 94075.291.

--781130014 IE Inspec Rept#50-332/78-4 on 780822-25 during which no items of noncompliance were noted. Areas inspected include review of demonstration run in progress, review test procedures, audit prog & facil mod records. POTTER, J.P., CORYELL, O.P. Region 2, Atlanta, Fuel Facility & Materials Safety Branch. 78/09/28. 5pp. 94075.293.

7811090266 Forwards IE Inspec Rept#50-332/78-05 on 780906-07 during which no items of noncompliance were noted. MURPHY, C.E. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/10/02. 2pp. 02729.339.

--7811090269 IE Inspec Rept #50-332/78-05 on 780906-07 during which no items of noncompliance were noted. Major areas inspected incl: emergency diesel generator, ventilating blowers, & fuse failures in starters. HUNT, M.D., BRYANT, J.C. Region 2, Atlanta, Reactor Construction & Engineering Support Branch. 78/09/29. 3pp. 02729.341.

DOCKET 50-333 JAMES A. FITZPATRICK NUCLEAR POWER PLANT

781170110 Forwards analysis by Teledyne Engr Svc re Multiple consecutive safety relief valve actuation eval. as requested by NRC on 781018. EARLY, P.J. Power Authority of the State of New York. 78/11/14. 11pp. 94047.120.

F. Security, medical, emergency & fire protection plans

7810270149 Forwards responses to NRC staff concerns/positions re fire protec. Further responses will be submitted in Nov 1978. EARLY, P.J. Power Authority of the State of New York. 78/10/23. 7pp. 94037.009.

7811070126 Forwards responses to Encl#4 of 780922 NRC ltr re fire protec prog at subj facil. Reply to Encl#3 will be submitted by Nov 1978. GRONBERG, W.L. Power Authority of the State of New York. 78/10/27. 3pp. 94038.303.

7812290140 Forwards responses to 780922 NRC ltr Encl #3 re Staff positions on fire protec prog. Responses to Encl#2 & #3 of 780922 NRC ltr were submitted to NRC on 781023 & 781027. EARLY, P.J. Power Authority of the State of New York. 78/12/21. 4pp. 94190.274.

O. Adjudicatory correspondence

7810300275 Forwards request for hearing pursuant to Section 2.105(d)(1) of the rules of practice of NRC & notice of proposed issuance of amend to facil oper lic issued 780901 & noticed in 43FR40580-B1(1978). CABBAN, V.J. Power Authority of the State of New York. 78/10/02. 1p. 94271.068.

--7810300280 Request for a hearing re appl for Facil Oper Lic Amend #1 780726. Util would urge relief requested in appl be granted. Appl would auth increase in spent fuel storage capacity. Amend would revise design features & oper limits. BENNETT, L.R. Power Authority of the State of New York. 78/10/06. 2pp. 94271.069.

P. Operating license stage documents & correspondence

7810200204 Notice of issuance of Amend#38 to Facil Oper Lic#DPR-59. Revises Tech Specs re radioactive protection, reduction of quib charge batch size for surveillance testing & miscellaneous changes to correct errors in present specs. 1PFD.LTG, T.A. Operating Reactors Branch 3 (Pre 790623). 78/07/88. 2pp. 94367.087.

7810101036 Responds to 771209 ltr re subj facil suppression pool temperature transients & monitoring sys. Forwards proposed analysis cases & description of present sys. GRONBERG, W.L. Power Authority of the State of New York. 78/09/29. 18pp. 94069.179.

7810100055 Subj reactor protec sys pur supplies were evaluated as requested by NRC 780807 ltr. & interim surveillance measures were effected, but PASN believes that continuation of such measures or mod of pur supplies is unwarranted. EARLY, P.J. New York, State of. 78/10/06. 3pp. 94471.331.

7810170175 Provides addl info re Analog Transmitter/Trip Unit Sys as requested by phone 780906. Provides transmitter vendor name & model #, divisional separation criteria, cabinet layout environ & seismic qual & interconnection diagram. EARLY, P.J. Power Authority of the State of New York. 78/10/10. 12pp. 94236.300.

7810180075 Requests oper lic amends be made effective 21 days after date of issuance. Suggests special communications when amend reqs immediate or other rapid action. EARLY, P.J. Power Authority of the State of New York. 78/10/11. 2pp. 94422.046.

7810170108 Forwards proposed changes to Tech Spec for facil Cycle 3 oper re Reload #2. Startup is scheduled for 781113. EARLY, P.J. Power Authority of the State of New York. 78/10/13. 2pp. 94234.278.

--7810170111 Appl for Amend to Oper Lic DPR-59 changing Tech Spec re Raised Safety/Relief Valve Setpoints for facil reload#2. EARLY, P.J. Power Authority of the State of New York. 78/10/13. 8pp. 94234.280.

--7810170114 "Raised Safety/Relief Valve Setpoint Reanalysis for Subj Facil for Reload #2". Provides results of reanalysis of the most limiting thermal & pressurization transients. ZULL, L.M. General Electric Co. NEDD-24129-1 801. 78/09/30. 12pp. 94234.288.

7811010111 Responds to 780601 NRC ltr re results of Comm Safety eval util's proposed reduction of frequency of control rod scram time surveillance requirements. Plans to respond w/further justification by 790301. EARLY, P.J. Power Authority of the State of New York. 78/10/24. 3pp. 94301.359.

781130335 Summary of 780914 meeting w/OE representatives & Mark 1 Owners Group re progress of Long Term Prog w/attendance list & agenda (RD-9-A-Mark1, Standards.) GRIMES, C. Plant Systems Branch (Pre 791030). 78/10/26. 67pp.

781130299 Finds 780901 proposed Tech Spec changes acceptable. LAINAS, G. Plant Systems Branch (Pre 791030). 78/11/02. 2pp.

--781130301 Safety Eval of proposed changes to Tech Specs re Battery Surveillance Test for sub j facil. Finds changes acceptable.
* Plant Systems Branch (Pre 791030). 78/11/02. 1p. 94086:113.

7811270243 Forwards Amend#40, SER & Notice of Issuance of mod to Tech Specs re proposed use of motor operated valves for containment isolation in HPCI, RCIC, LPCI & the Core Spray Sys & air operated check valve surveillance requirements.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/09. 2pp. 94199:184.

--7811270246 Amend#40 to Facil Oper Lic re mod of Append A & B Tech Specs related to proposed use of motor operated valves & addition of air operated check valve surveillance requirements.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/09. 2pp. 94199:186.

--7811270250 SER in support of Amend#40 to oper lic. Concludes that amend does not involve significant hazards consideration, assures that publ health & safety will not be endangered, complies w/all NRC regs.
* Operating Reactors Branch 3 (Pre 790625). 78/11/09. 4pp. 94199:208.

--7811270253 Notice of Issuance of Amend#40 to Facil Oper Lic#DPR-59, Rev Tech Specs re leak rate testing requirements for sys which penetrate containment boundary & are connected to reactor coolant pressure boundary.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/09. 2pp. 94199:211.

7811290298 Responds to 781106 request for info concerning licensee reg performance eval for Region 1 plants by NRC. Provides details.
ORIER, B.H. Region 1, Philadelphia, Office of the Director. 78/11/09. 9pp.

7811160069 Provides responses to 780913 NRC request for addl info re Tech Specs changes & deletion of APRM trip in REFUEL mode.
EARLY, P.J. Power Authority of the State of New York. 78/11/13. 3pp. 94133:136.

7812180028 Notice of workshops re implementation of training & qual requirements contained in Append B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. W/enc1 Registration Form & List of Locations.
MILLER, J.R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 5pp. 94130:345.

7812180270 Forwards Rev#1 "Draft Radiological Effluent Tech Specs" for BWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pur Plants" (NUREG-0133).
GRIMES, B.K. Assistant Director for Engineers & Projects (Pre 790625). 78/11/15. 6pp. 94366:073.

781180291 Forwards results of Gen Elec Co analysis of rotated bundle loading error event. Transmits original Tech Specs regarding Cycle 1 off-gas radiat monitor & new Minimum Critical Pur Ratio Oper Limit for BXR fuel. Watts.
EARLY, P.J. Power Authority of the State of New York. 78/11/16. 6pp. 94395:248.

7812050336 Forwards Amend#41 to Facil Oper Lic#DPR-59 for sub j facil. Amend changes Tech Specs as requested in 780901 ltr. W/safety Evaluation & Notice of Issuance.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 2pp. 94409:012.

--7812050343 Amend#41 to Facil Oper Lic#DPR-59 revising Tech Specs of sub j facil re surveillance requirements for discharge testing performed on Station Batteries & on LPCI Motor Operated Valve Pur Supplies to reflect tube testing.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 2pp. 94409:014.

--7812050348 Safety Evaluation Supporting Amend#41 to Facil Oper Lic #DPR-59 concluding that proposed changes to Tech Specs are acceptable & safety of public will not be endangered.
* Office of Nuclear Reactor Regulation, Director. 78/11/16. 9pp. 94409:022.

--7812050351 Notice of Issuance of Amend#41 to Facil Oper Lic#DPR-59.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/16. 2pp. 94409:024.

7811210300 Responds to 780913 request for addl info re proposed changes to Tech Specs, Reload 2 Licensing Submittal for Cycle 3 operation, w/47 oversize drawings available in Central Files.
EARLY, P.J. Power Authority of the State of New York. 78/11/17. 22pp. 94488:105.

7811300376 Informs PASN that NRC has contracted w/Mountain West Res Inc to undertake a series of post-licensing studies of nuc pur stations. Studies will analyze socioecon impacts which occurred during constr & post-constr periods of each plant.
DEVOUNG, R.C. Division of Site Safety & Environmental Analysis. 78/11/20. 2pp. 94136:249.

7812070197 Notice of seminar on 781208 on new Model Radiological Effluent Tech Specs for nuc pur plants. Requests advance submission of seminar specific questions. W/enc1 Seminar Info Sheet, Proposed Agenda & maps.
ORIER, B.H. Region 1, Philadelphia, Office of the Director. 78/11/21. 2pp. 94375:081.

7812080168 Forwards Amend#42 to Oper Lic#DPR-59, Changing Tech Specs to reflect installation of Analog Transmitter/Trip Unit Sys, Safety Eval & Fed Register Notice.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/22. 2pp. 94106:286.

--7812080170 Amend#42 to facil Oper Lic#DPR-59, changing Tech Specs to reflect installation of Analog Transmitter/Trip Unit Sys.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/22. 2pp. 94106:288.

--7812080173 Safety Eval Supporting Amend#42 to Facil Oper Lic#DPR-59. Finds proposed amend will not be inimical to common defense & security.
* Operating Reactors Branch 3 (Pre 790625). 78/11/22. 3pp. 94106:293.

--7812080176 Notice of Issuance of Amend#42 to Facil Oper Lic#DPR-59.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/22. 2pp. 94106:296.

7812110319 Forwards recently issued Amend 43 to License DPR-59, safety evaluation & notice of issuance. Has not approved APRM mod. SRV mods approved on interim basis awaiting final resolution of Mark 1 Containment long term program.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/22. 3pp. 94204:159.

--7812110320 Amend 43 to License DPR-59, revising Tech Specs re safety relief valve, analog transmitter/trip unit sys to reactor protection sys, reload mode.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/22. 45pp. 94204:162.

--7812110322 Safety Evaluation supporting Amend 43 to License DPR-59.
* Operating Reactors Branch 3 (Pre 790625). 78/11/22. 11pp. 94204:207.

--7812110323 Notice of Issuance of Amend#43 to Operating Lic#DPR-59.
IPPOLITO, T.A. Operating Reactors Branch 3 (Pre 790625). 78/11/22. 2pp. 94204:218.

7812180310 Confirms that meeting will be held at Region I office, King of Prussia, PA on 781130, to discuss certain requirements of util's radiat protec prog conducted per Lic#DPR-59.
ORIER, B.H. Region 1, Philadelphia, Office of the Director. 78/11/24. 1p. 94356:260.

7812110046 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. W/enc1 ANO: #7812080207.
IPPOLITO, T. Operating Reactors Branch 3 (Pre 790625). 78/11/29. 8pp. 94408:200.

7812110183 Forwards summary tabulation of control rods failing to fully insert during reactor scram for calendar year 1977, per NRC ltr of 780829. Rept of drives replaced during current refueling outage included in Oct 1978 Monthly Rept.
EARLY, P.J. Power Authority of the State of New York. 78/12/04. 2pp. 94393:279.

7812140176 Forwards Oct 1978 Prog Activity Review listing meetings held & providing task-by-task activity summary for the month.
SOBON, L.J. General Electric Co. 78/12/04. 11pp.

7812120080 Forwards OE Rept NERDO-24129-2 Suppl 2, "Fuel Bundle Loading Error Re-analysis for JA Fitzpatrick Nuclear Power Plant for Reload 2," dtd Nov 1978.
EARLY, P.J. Power Authority of the State of New York. 78/12/06. 1p. 94274:115.

--7812120082 "Fuel Bundle Loading Error Reanalysis for the JA Fitzpatrick Nuc Pur Plant for Reload 2, Suppl 2."
ZULL, L.M., BRUGGE, R.D. General Electric Co. NERDO-24129-2 802. 78/11/30. 11pp. 94274:116.

7812140276 Forwards pages for Amend#43 to Facil Oper Lic DPR-59 that were inadvertently omitted.
JPFQ:ITD, T.A. Operating Reactors Branch 3 (Pre 790625). 78/12/06.
5pp. 03557 319.

7812280096 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVIS, J.O. Office of Inspection & Enforcement, Office of the Director 78/12/06 2pp. 03555 313.

7812190114 Requests immediate temporary waiver of Tech Specs re leak for the "A" main steam isolation valve to allow plant oper at full pwr rather than reduced load w/one main steam line out of svc
EARLY, P.J. Power Authority of the State of New York. 78/12/12 5pp. 94381 202.

7812260189 RO 78-151 on 781215: switches assoc w/detection of HPCI turbine /steam line area high temp set erroneously due to personnel error. Cautionary warning placed on surveillance procedure to indicate proper conversion table
LEONARD, J.D. Power Authority of the State of New York. 78/12/18. 1p. 94159 158

7812120367 Forwards addl info re multiple consecutive safety/relief valve actuation of Mark I containment program.
BOGDAN, L.J. General Electric Co. 78/11/13 3pp.

7812100389 Forwards response to NRC's request for addl info re installation of Analog Transmitter/Trip Unit Sys(ATTUS). Info supports Appl for Amend to 780910 oper Lic suppl by 781010 Info
EARLY, P.J. Power Authority of the State of New York. 78/11/16. 6pp. 94485 356

G. Inspection reports, IE Bulletins & correspondence

7811080172 Forwards IE Inspec Rept#50-333/78-15 on 780828-31 during which no items of noncompliance were noted.
MARTIN, W.Q. Region 1, Philadelphia, Safeguards Branch. 78/09/20. 2pp. 94399 354

--7811080177 IE Inspec Rept#50-333/78-15 on 780828-31 during which no item of noncompliance were noted. Major areas inspected included: security plan & organizational access controls; communications; detection aids; Response Procedures.
MADDEN, W.J., LADUN, R.H. Region 1, Philadelphia, Safeguards Branch. 78/09/18. 1p. 94399 356.

7811060171 Forwards IE Circular#78-17. (See AND: 7810230221, Docket #50-133, 781013)
ORIER, B.H. Region 1, Philadelphia, Office of the Director. 78/10/13 1p. 94489 092.

7812010034 Forwards IE Inspec Rept#50-333/78-20 on 780927-29 during which no items of noncompliance were noted.
SMITH, O.H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/10/20. 2pp. 94416 070.

--7812010036 IE Inspec Rept#50-333/78-20 on 780927-29 during which no items of noncompliance were noted. Major areas inspected incl: prog for quality control of analytical measurement, audit results & effluent control procedures.
ROITMAN, J.J., STORR, J.P. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/10/19. 8pp. 94416 072.

7812060365 Forwards IE Inspec Rept#50-333/78-22 on 781004-6 during which no items of noncompliance were noted.
BRUNNER, E.J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/27. 2pp. 94382 323.

--7812060367 IE Inspec Rept#50-333/78-22 on 781004-6 during which no items of noncompliance were noted. Major areas inspected incl: leak testing & procedures, previous inspec findings, plant mods, pumps & valves, action on IE gubs.
HIGGINS, J.C., SMITH, T.H., MONO, H.D. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/27. 10pp. 94382 325

7812290195 Forwards IE Circular #78-18, "UL Fire Test." W/encl AND: 781150002.
ORIER, B.H. Region 1, Philadelphia, Office of the Director. 78/11/06 1p. 94239 290.

7812270453 Forwards IE Inspec Rept#50-333/78-18 on 780918-22 & 1003-06 & 1011-13 during which no items of noncompliance were noted.
CARLSON, R.T. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/11/13. 2pp. 94015 339.

--7812270457 IE Inspec Rept#50-333/78-18 on 780918-22 & 1003-06 & 1011-13 during which no items of noncompliance were noted. Major areas inspected incl: inspec activities & activities assoc w/removal of feedwater spargers.
MCBREARY, R.A., EBNETER, S.D. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/11/08. 10pp. 94015 341.

7812180034 Forwards IE Bulletin#78-12A, Suppl to IE Bulletin 78-12. W/encl AND: 7811300055.
ORIER, B.H. Region 1, Philadelphia, Office of the Director. 78/11/24. 1p. 94133 019

R. Periodic operating reports & related correspondence

7810130128 Forwards Monthly Oper Rept for Sept 1978.
LEONARD, J.D. Power Authority of the State of New York. 78/10/03. 1p. 03555 270.

--7810130132 Monthly Oper Rept for Sept 1978.
ZUFELT, E. Power Authority of the State of New York. 78/10/03. 4pp. 03555 271.

7811140121 Forwards Monthly Oper Rept for Oct 1978.
LEONARD, J.D. Power Authority of the State of New York. 78/11/10. 1p. 94425 211.

--7811140123 Monthly Oper Rept for Oct 1978.
ZUFELT, E. Power Authority of the State of New York. 78/11/10. 11pp. 94425 212.

7812150267 Forwards Monthly Oper Rept for Nov 1978.
LEONARD, J.D. Power Authority of the State of New York. 78/12/09. 1p. 94213 062.

--7812150274 Monthly Oper Rept for Nov 1978.
ZUFELT, E. Power Authority of the State of New York. 78/12/09. 18pp.

B. Reportable occurrences, LERs & related correspondence

7810100022 Forwards LER#78-079/04L-0.
LEONARD, J.D. Power Authority of the State of New York. 78/10/03. 1p. 94033 008.

--7810100026 LER#78-079/04L-0 on 780914: An apparent excessive solute release from Makeup Water Treatment Waste Neutralizer tanks to Circulating water Discharge Tunnel was detected while performing Aug 78 24-hour complete sample analysis.
CHILD, W.V. Power Authority of the State of New York. 78/10/03. 3pp. 94033 009.

7810120045 Forwards LER#78-080/03L-0.
LEONARD, J.D. Power Authority of the State of New York. 78/10/06. 1p. 94332 324.

--7810120046 LER#78-080/03L-0 on 780914: Resilient seals on valve covers (bonnets) & both ends of oper shafts in pressure suppression chamber were not subjected to "Type B" local leak rate tests as required by Tech Spec Append A.4.7.A.2.d.2.
CHILD, W.V. Power Authority of the State of New York. 78/10/06 2pp. 94332 325.

7810120073 Forwards LER#78-081/03L-0.
LEONARD, J.D. Power Authority of the State of New York. 78/10/06. 1p. 94472 326.

--7810120079 LER#78-081/03L-0 on 780915: circuit breaker for RHR pump 10-P 10-P-3C would not "charge." Caused by bending of control pur fuse holder causing pump circuit breaker not to make contact.
CHILD, W.V. Power Authority of the State of New York. 78/10/06. 2pp. 94472 327.

7810230186 Forwards LER#78-075/03L-1.
LEONARD, J.D. Power Authority of the State of New York. 78/10/18. 1p. 94195 152.

--7810230189 LER#78-075/03L-1 on 780902: during surveillance test F-BT-30, normally closed inboard core spray injection valve 14-MCV-128 failed to open electrically & made 1 core spray sys inoper, due to high differential pressure.
CHILD, W.V. Power Authority of the State of New York. 78/10/18. 2pp. 94195 153.

7810230263 Forwards LER#78-082/03L-0.
LEONARD, J.D. Power Authority of the State of New York. 78/10/18. 1p. 94271 151.

--7810230265 LER#78-082/03L-0 on 780920: in refuel shutdown, pressure suppression pool (terus) level increased to 0.8 inches above Tech Specs level, due to waterleaking past seat of safety relief valve.
CHILDS, W.V. Power Authority of the State of New York. 78/10/18.
2pp. 94271:152.

7810230308 Forwards LER#78-056/03L-1.
e Power Authority of the State of New York. 78/10/18. 1p.
94166:344.

--7810230310 LER#78-056/03L-1 on 780722: Core spray sys outboard isolation valve would not close due to fact that limit torque oper shaft key was sheared. Key was replaced
CHILDS, W.V. Power Authority of the State of New York. 78/10/18.
2pp. 94166:345.

7810240122 Forwards LER#78-084/03L-0.
LEONARD, J.D. Power Authority of the State of New York. 78/10/19.
1p.

--7810240126 LER#78-084/03L on 780924: During refueling shutdown & discharge of "B" floor drain sample tank, the Liquid Redwaste Effluent Monitor sample pump would not deliver adequate flow to monitor, due to clogging.
e Power Authority of the State of New York. 78/10/19. 2pp.

7810240133 Forwards LER#78-083/03L-0.
LEONARD, J.D. Power Authority of the State of New York. 78/10/19.
1p.

--7810240139 LER#78-083/03L-0 on 780923: during refueling & maint shutdown the logic pur for the "B" LPCi subsys was deenergized, due to operator error.
CHILDS, W.V. Power Authority of the State of New York. 78/10/19.
2pp.

7811070344 Forwards LER#78-085/04L-0.
LEONARD, J.D. Power Authority of the State of New York. 78/11/02.
1p. 94039:196.

--7811070248 LER#78-085/04L-0 on 781006: Rept level per Tech Spec Append B Paragraph 2.3.B.5. was exceeded for third quarter of calendar year. July high release rate caused by steam leaks & fuel pin clad perforation. Corrective actions: refueling & repair.
e Power Authority of the State of New York. 78/11/01. 2pp.
94039:197.

7811070318 Forwards LER#78-087/04T-0.
LEONARD, J.D. Power Authority of the State of New York. 78/11/01.
1p. 94041:165.

--7811070323 LER#78-087/04T-0 on 781018: Environ Radiological Monitoring Sample of periphyton samples pCi/gm (wet) does not meet subj facil Tech Spec. Append B, Paragraph 5.6.2.6
CHILDS, W.V. Power Authority of the State of New York. 78/11/01.
2pp. 94041:166.

7811140238 Forwards LER#78-086/03L-0.
LEONARD, J.D. Power Authority of the State of New York. 78/11/10.
1p. 94400:093.

--7811140248 LER 78-086/03L-0 on 781016: during refuel shutdown, two elec conduits passing through safety related area fire barrier found to be improperly sealed in violation of Tech Spec.
Both penetrations immediately sealed.
CHILDS, W.V. Power Authority of the State of New York. 78/11/10.
2pp. 94400:094.

7811210414 Forwards LER#78-088/04L-0.
LEONARD, J.D. Power Authority of the State of New York. 78/11/17.
1p. 94483:128.

--7811210422 LER#78-088/04L-0 on 781024: excess solute release from Makeup Water Treatment Waste Neutralizer Tanks to Circulating Water Discharge Tunnel detected. Caused by unsound sampling & method of determining concentrations & dissolved solids.
CHILDS, W.V. Power Authority of the State of New York. 78/11/17.
3pp. 94483:129.

7812040156 Forwards LER#78-089/03L-0.
LEONARD, J.D. Power Authority of the State of New York. 78/11/28.
1p. 94456:123.

--7812040159 LER#78-089/03L-0 on 781101: during refueling & maint shutdown it was found that surveillance test had not been performed for combustion ionization products smoke detectors installed in diesel fire pump room on 780310, due to oversight.
CHILDS, W.V. Power Authority of the State of New York. 78/11/28.
2pp. 94456:124.

7812070174 Forwards LER#78-090/03L-0.
LEONARD, J.D. Power Authority of the State of New York. 78/12/03.
1p. 94375:020.

--7812070178 LER#78-090/03L-0 on 781106: supply to part of safety related hose stations in Reactor Bldg was shut off making stations inoperable. Caused by intentional isolation to permit installation of addl post indicator valve.
CHILDS, W.V. Power Authority of the State of New York. 78/12/03.
1p. 94375:021.

7812220099 Forwards LER#78-085/04X-1.
LEONARD, J.D. Power Authority of the State of New York. 78/12/18.
1p. 94343:349.

--7812220100 LER#78-085/04X-1 on 781006: 3rd quarter release of Halogen particulates greater than Tech Specs. Caused by steam leaks & fuel pin clad perforation.
CHILDS, W.V. Power Authority of the State of New York. 78/12/18.
2pp. 94343:350.

7812290246 RO#78-097/01X-0: during surveillance of Temp switches, instrum were found set above Tech Spec limit due to personnel using wrong conversion table.
LEONARD, J.D. Power Authority of the State of New York. 78/12/18.
1p. 94191:282.

7812270242 Forwards LER#78-094/03L-0.
LEONARD, J.D. Power Authority of the State of New York. 78/12/20.
1p. 94017:152.

--7812270250 LER#78-094/03L-0 on 781122: during shutdown & surveillance test, a number of battery cells were found w/ specific gravity &/or individual cell voltage variations (high or low) greater than allowed by Test acceptance criteria.
CHILDS, W.V. Power Authority of the State of New York. 78/12/20.
2pp. 94017:153.

DOCKET 50-334 BEAVER VALLEY POWER STATION, UNIT 1

F. Security, medical, emergency & fire protection plans

7812120227 Forwards results of 781030-781103 site visit & NRC staff positions concerning subj facil fire protec prog. Requests comments & implementation sched.
SCHWENGER, A. Operating Reactors Branch 1 (Pre 790623). 78/12/01.
30pp. 94277:142.

7812140109 Forwards addl info requested in 780718 NRC ltr re Fire Protec prog. Subj covered incl: combined fire & security emergency personnel, failure analysis, suppl fire dept. & in-house audit plan.
WOOLEVER, E. J. Duquesne Light Co. 78/12/11. 164pp. 94119:163.

7812190144 Forwards Figure 1 inadvertently left out of 781211 Fire Protec Prog.
WOOLEVER, E. J. Duquesne Light Co. 78/12/15. 2pp. 94381:034.

G. Advisory Committee on Reactor Safeguards reports & correspondence

7812040424 Notification of 780907-09 open meeting of ACRB (changed from 780823) in Washington, DC to discuss failure of subj facil main transformer, FFTF, & evaluation of BWAH-1400.
HOLYE, J.C. Office of the Secretary of the Commission. 78/08/25.
3pp. 94383:043.

7812070094 Responds to 780828 request for clarification re ACRB recommendations made between 770101 & 0930. Forwards clarifying info.
CASE, E.Q. Office of Nuclear Reactor Regulation, Director. 78/11/28.
44pp. 94374:022.

H. Operating license stage documents & correspondence

7812030004 Forwards Licensee Performance Eval Questions for subj facil in response to 771123 request. Feels it is possible that dev of statistical methodology for such eval may not justify the effort. Qualitative eval may be as good. Urges 1-year test.
ORIER, B.H. Region 1, Philadelphia, Office of the Director. 77/12/13. 12pp.

7811010144 Forwards proposed Tech Specs for Overpressure Protec per NR 780828 request. No fee incl should be considered as part of the original submittal which predates fee schedule requirements of 10CFR170.22a.
DUNN, C.N. Duquesne Light Co. 78/10/04. 12pp. 94064:280.

7810100072 Encl #12,300 voucher for license fee omitted in 780922 appl for change to Append A Tech Specs.
DUNN C.N. Duquesne Light Co. 78/10/11. 1p. 94421:263.

7810200100 Forwards Proposed Tech Specs 3.1.2.3 & 3.4.1.4, correcting submittal of 781004, which failed to include required action statements & surveillance requirements.
DUNN C.N. Duquesne Light Co. 78/10/16. 4pp. 94367:347.

7810200047 Forwards copy of Chlorine Trailing-Out Study Results.
MOORE, G.W. Duquesne Light Co. 78/10/17. 1p. 94411:330.

--7810200030 Submits results of chlorine trailing-out study. Concludes that trailing-out beyond 2 hours per day does occur, but that permit limitations are not exceeded. Chlorination level is reg to prevent bio-fouling of condenser.
MCALLISTER, R.J. Duquesne Light Co. 78/07/20. 17pp. 94411:331.

7810270195 Forwards requested info on tabulation of mass & energy release data by Westinghouse. Provides proposed Tech Specs rev 100 gal increase in refueling water storage tanks.
DUNN C.N. Duquesne Light Co. 78/10/24. 8pp. 94054:242.

7811030107 Requests amend to Facil Oper Lic #35 to accommodate new Steamline Break Protec Sys which is sched for installation in Spring of 1979. Forwards proposed Tech Spec & check for \$12,300 for class IV Amend.
DUNN C.N. Duquesne Light Co. 78/10/27. 423pp. 02722:001.

7811080259 Forwards request for addl info re feedwater pipe vibration for transmittal to applicant.
LAINAS, O. Plant Systems Branch (Pre 791030). 78/10/31. 2pp. 94406:150.

7811230239 Provides limited approval of P642 seal matl for hydraulic snubbers for up to 2 normal refueling outages or within months under specified conditions & defines inspect sched for those seals. w/FE&O Rept on seal matl dtd 780817.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790623). 78/11/09. 12pp. 94381:318.

7811280385 Forwards request for addl info re Nuc Sys Corp Rept #1-78-012 transmitted by ltr on 780317 re feeder line vibration monitoring prog results for subJ facil. Requests response w/in 30 days.
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790623). 78/11/13. 3pp. 94297:292.

7811240041 Ack receipt of 780717 transmittal of "Potential Consequences of Oil Pipeline Failure." Requests payment of Class III fee of \$4000.
MILLER, W.D. License Fee Management Branch. 78/11/15. 2pp. 94437:242.

7812190141 Notice of workshops re implementation of training & qual requirements contained in Append B of 10CFR73. Requests pre-workshop registration of attendees to facilitate sending out matl. w/encl Registration Form & List of Locations.
MILLER, J.R. Assistant Director for Site & Safeguards (Pre 791030). 78/11/15. 3pp.

7812190028 Forwards Rev01 "Draft Radiological Effluent Tech Specs" for PWR's (NUREG-0473) & "Preparation of Radiological Effluent Tech Specs for Nuc Pwr Plants" (NUREG-0133).
GRIBBS, B.K. Assistant Director for Engineers & Projects (Pre 790623). 78/11/15. 6pp. 94214:322.

7812070143 Notice of seminar on 781208 on new Model Radiological Effluent Tech Specs for nuc pwr plants. Requests advance submission of seminar specific questions. w/encl Seminar Info Sheet, Proposed Agenda & maps.
GRIBBS, B.K. Region 1, Philadelphia, Office of the Director. 78/11/21. 8pp. 94378:268.

7812080143 Notification of meeting w/Duquesne Light Co on 781205 in Bethesda to discuss containment leak test w/containment liner weld channels unvented.
WIGGINTON, D. Operating Reactors Branch 1 (Pre 790623). 78/11/28. 2pp. 94104:325.

7812150046 Discusses possible dangers of LOCA in containment purging during normal plant oper. Requests either commitment to limit purging or justification for continuing. w/encl ANO: 7812080207
SCHMENCER, A. Operating Reactors Branch 1 (Pre 790623). 78/11/28. 6pp. 94210:168.

7812060162 Responds to NRC 781115 ltr & forwards \$4000 class III fee.
MOORE, G.W. Duquesne Light Co. 78/11/30. 1p. 94271:257.

7812280103 Emphasizes importance of submitting accurate & complete info to NRC by licensees & applicants. Info submitted must be substantiated by data & calculations. Licensees must notify NRC of any inaccuracies or enforcement action will result.
DAVID, J.G. Office of Inspection & Enforcement, Office of the Director. 78/12/06. 2pp. 03555:319.

7812050013 Requests views of Regional Directors on Licensee performance of subJ facil. Forwards questions to be answered by 771209.
THORNBURG, H. Division of Reactor Construction Inspection. 77/11/2pp.

7812190101 Forwards review comments on Suppl #2 to "Soil Study-Categ 1 Struct. of subJ facil." Applicant fails to provide basic info re sample preparation & test procedures. Requests study of liquefaction potential & stability analysis by util. BTEPP, J.C. Geosciences Branch. 78/12/13. 4pp. 94376:301.

7812210215 Forwards addl info re Reactor Vessel Overpressure Protec to follow up 781123 request that sys be categorized as interim sys. Request interim sys be upgraded as valves now qual to seismic design requirements.
DUNN C.N. Duquesne Light Co. 78/12/14. 1p. 94279:114.

7812220071 Forwards addl info re lic amend appl covering eval of low feedwater flow reactor trip setpoint change.
DUNN C.N. Duquesne Light Co. 78/12/14. 16pp. 94249:073.

7812240214 Forwards proposed amend to Oper Lic #DPR-66 for subJ facil. Seeks change to Append "B" of Tech Specs Section 3.1.2 re documentation concerning chem releases.
DUNN C.N. Duquesne Light Co. 78/12/14. 2pp. 94160:187.

--7812260216 Proposed amend to Oper Lic for subJ facil. Revises Amend by seeking change to Appl "B" of Tech Specs section 3.1.2 re documentation concerning chem releases.
Duquesne Light Co. 78/12/14. 2pp. 94160:189.

G. Inspection reports, IE Bulletins & correspondence

7810300292 IE Inspec Rept #50-334/78-21 on 780822-25 & 0829-31 during which no items of noncompliance were noted. Major areas inspected included: new high density spent fuel racks & eddy current inspect of steam generator tubes.
FASANO, A.N. Region 1, Philadelphia, Office of the Director. 78/09/13. 9pp. 94033:180.

7810300117 Forwards IE Inspec Rept #50-334/78-21 on 780822-25 & 0829- during which no items of noncompliance were noted.
CARLSON, R.T. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/09/15. 2pp. 94035:178.

7810180215 Forwards IE Inspec Rept #50-334/78-19 on 780808 & Notice of Violation.
MARTIN, W.G. Region 1, Philadelphia, Safeguards Branch. 78/08/31. 2pp. 94311:357.

--7810180217 IE Inspec Rept #50-334/78-19 on 780808-11 during which items of noncompliance were noted: security organization & testing & maint.
BAILEY, R.J. Region 1, Philadelphia, Safeguards Branch. 78/08/31. 94311:359.

7810160240 Forwards IE Bulletin 78-12: "Atypical Weld Material in Reactor Pressure Vessel Welds" requesting action w/in 60 days & list of IE Bulletins issued in 1978. (See ANO #7810040253)
GRIBBS, B.H. Region 1, Philadelphia, Office of the Director. 78/09/29. 6pp. 94004:001.

7811130271 Forwards IE Inspec Rept #50-334/78-23 on 780909 during which no items of noncompliance were noted.
BRUNNER, E.J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/04. 2pp. 94011:218.

--7811130275 IE Inspec Rept #50-334/78-23 on 780906 during which no items of noncompliance were noted. Major areas inspected included: corrective actions re environ qual for elec components.
RAYMOND, W.J. Region 1, Philadelphia, Office of the Director. 78/09/06. 8pp. 94011:220.

7811130280 Forwards IE Inspec Rept #50-334/78-25 on 780919-21 during which no items of noncompliance were noted.
CARLSON, R.T. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/10/05. 2pp. 94011:240.

DOCKETED ITEMS

--7B11130285 IE Inspec Rept#50-334/78-25 on 780919-21 during which no items of noncompliance were noted. Major areas inspected included: insvc inspec activities, including procedure review & witness of insvc examinations.
WALTON, Q. A. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/09/29 3pp. 94011:242.

7B11060198 Forwards IE Circular#78-17. (See ANO: 7810230221, Docket #50-133, 781013.)
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/10/13. 1p. 94489:189.

7B10270185 Ack receipt of 780926 ltr informing NRC of steps taken to correct violations noted during Inspec #50-334/78-20
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/16. 1p. 94057:093.

--7B10270189 Responds to 780830 NRC ltr re violation noted in Inspec Rept #50-334/78-20. Corrective actions: station administrative directive will be rev to ensure control re vendor procedures. Vendor will be notified.
DUNN, C. N. Duquesne Light Co. 78/09/26 3pp. 94057:094.

--7B10270192 Forwards IE Inspec Rept #50-334/78-20 & Notice of Violation
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/08/30. 2pp. 94057:097.

--7B10270194 Notice of Violation from Inspec on 780808-11.
* Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/08/29. 1p. 94057:099.

--7B10270196 IE Inspec Rept #50-334/78-20 on 780808-11 during which 2 items of noncompliance were noted: failure to have approved procedures for conduct of surveillance test & failure to reg periodic reviews of maint procedures.
JOHNSON, D. J. KEIMIG, R. R. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/08/29. 9pp. 94057:100.

7B1210232 Forwards IE Inspec Rept#50-334/78-28 on 781013 during which no items of noncompliance were noted.
BMITH, Q. H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/11/01. 2pp. 94338:030.

--7B1210235 IE Inspec Rept#50-334/78-28 on 781013 during which no items of noncompliance were noted. Major areas inspected incl: results of effluent samples split between licensee & NRC Region 1.
KOTTAN, J. J. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/11/01. App. 94338:032.

7B12080080 Forwards IE Inspec Rept#50-334/78-27 on 781016-18 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/02. 2pp. 94108:013.

--7B12080083 IE Inspec Rept#50-334/78-27 on 781016-18 during which no items of noncompliance were noted. Major areas inspected incl: containment integrated leak rate test procedure & local leak rate test.
CAPITON, D. L. HIGGINS, J. C. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/10/31. 7pp. 94108:015.

7B11300241 Ack receipt of 781016 ltr informing NRC of steps taken to correct violations noted during Inspec#50-334/78-22.
BMITH, Q. H. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/11/03. 1p. 94074:355.

--7B11300243 Responds to 780926 NRC ltr re violations noted in Inspec Rept#50-334/78-22. Corrective actions: repositioned barrier & signs at entry to high radiat area.
DUNN, C. N. Duquesne Light Co. 78/10/16. 3pp. 94074:336.

--7B11300246 Forwards IE Inspec Rept#50-334/78-22 on 780830-0901 & Notice of Violation.
CROCKER, H. W. Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/09/26. 3pp. 94074:359.

--7B11300248 Notice of Violation from Inspec on 780830-0901.
* Region 1, Philadelphia, Fuel Facility & Materials Safety Branch. 78/09/26. 1p. 94074:362.

--7B11300250 IE Inspec Rept#50-334/78-22 on 780830-0901 during which 1 item of noncompliance was noted: failure to control high radiat areas IAW Tech Specs.
WHITE, J. R. Region 1, Philadelphia, Office of the Director. 78/09/26. 10pp. 94075:001.

7B12080144 Forwards IE Inspec Rept#50-334/78-26 on 781002-06 & 781012 & Notice of Violation.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/03. 3pp. 94104:327.

--7B12080145 Notice of Violation from Inspec on 781002-06 & 781010-12.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/03. 1p. 94104:330.

--7B12080147 IE Inspec Rept#50-334/78-26 on 781002-06 & 781010-12 during which 1 item of noncompliance was noted: failure to comply w/ equip control procedures.
KISTER, H. J. MARKOWSKI, R. S. BECKMAN, D. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/03. 18pp. 94104:331.

7B11290212 Forwards IE Circular #78-18. "UL Fire Test." W/encl AND: 781130002.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/06. 1p. 94237:320.

7B12270149 Forwards IE Inspec Rept#50-334/78-24 on 780912-19 during which no items of noncompliance were noted.
BRUNNER, E. J. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/13. 2pp. 94161:152.

--7B12270153 IE Inspec Rept#50-334/78-24 on 780912-19 during which no items of noncompliance were noted. Major areas inspected incl: plant oper. performance w/ Tech Spec LBSS, LCO's & SL, review of LER's & outage maint activities.
RAYMOND, W. J. KEIMIG, R. R. Region 1, Philadelphia, Reactor Operations Nuclear Support Branch. 78/11/09. 17pp. 94161:154.

7B12290211 Forwards IE Inspec Rept#50-334/78-29 on 781013-15 & 27 during which no items of noncompliance were noted.
CARLSON, R. T. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/11/15. 2pp. 94190:350.

--7B12290220 IE Inspec Rept#50-334/78-29 on 781023-25 & 27 during which no items of noncompliance were noted. Major areas inspected incl: high density spent fuel racks & insvc inspec data.
PABANO, A. N. WALTON, Q. A. Region 1, Philadelphia, Reactor Construction & Engineering Support Branch. 78/11/15. 5pp. 94190:352.

7B12130136 Forwards IE Bulletin#78-12A, suppl to IE Bulletin#78-12 W/encl AND: 7811300055.
GRIER, B. H. Region 1, Philadelphia, Office of the Director. 78/11/24. 1p. 94212:184.

R. Periodic operating reports & related correspondence

7B10160114 Forwards Monthly Oper Rept for Sept 1978
DUNN, C. N. Duquesne Light Co. 78/10/10. 1p. 94007:121.

--7B10160116 Monthly Oper Rept for Sept 1978
WITKOWSKY, F. P. Duquesne Light Co. 78/10/04. 5pp. 94007:122.

7B11030149 Forwards copies of EPA Quarterly Rept for Sept 1978, as submitted to EPA & PA Dept of Environ Resources.
MODRE, Q. W. Duquesne Light Co. 78/10/27. 39pp. 02724:028.

7B11160109 Forwards Monthly Oper Rept for Oct 1978.
DUNN, C. N. Duquesne Light Co. 78/11/11. 1p. 94135:132.

--7B11160111 Monthly Oper Rept for Oct 1978.
WITKOWSKY, F. P. Duquesne Light Co. 78/11/03. 5pp. 94135:133.

7B12110128 Forwards Monthly Oper Rept for Nov 1978.
DUNN, C. N. Duquesne Light Co. 78/12/06. 1p. 94339:334.

--7B12110132 Monthly Oper Rept for Nov 1978.
WITKOWSKY, F. P. Duquesne Light Co. 78/12/01. 4pp. 94339:335.

B. Reportable occurrences, LERs & related correspondence

7B10100030 Forwards LER#78-048/03L-0.
WERLING, J. A. Duquesne Light Co. 78/09/25. 2pp. 94033:034.

--7B10100034 LER#78-048/03L-0 on 780221: during rev test data on 7808 noted that final setpoint valve entered on 780221 for RCS Loop 1B Cold Leg Loop Stop Valve relief line flow interlock was 124 GPM caused by improper setpoint.
WERLING, J. A. Duquesne Light Co. 78/09/25. 1p. 94033:036.

7810100084 LER#78-031/01T-0 on 780912: During surveillance testing of #1 Diesel Generator, output breaker failed to close using control switch #1 Generator operable. Test panel installed to detect abnormal oper.
 WERLING, J. A. Duquesne Light Co. 78/09/26 2pp.

7811030164 RO 78-053/01P: on 781026 during review of stress calculations for safety injection piping inside containment, errors in piping stress analysis were discovered. Caused by error in hand calculating method.
 WERLING, J. A. Duquesne Light Co. 78/10/27. 1p. 02724:019.

7811130218 Forwards LER#78-054/03L-0.
 WERLING, J. A. Duquesne Light Co. 78/11/04 2pp. 03554:058

--7811130220 LER#78-054/03L-0 on 781005: During surveillance test on containment high pressure bistable, the setpoint was 2.3 lbs instead of 2.0. Caused by faulty ELCO connector on loop signal comparator. Comparator was replaced.
 WERLING, J. A. Duquesne Light Co. 78/11/04. 1p. 03554:060.

7811170214 Reportable Occurrence#78-058/04P on 781103-08: during plant shutdown, reactor plant river water & turbine plant river water header chlorination levels exceeded allowable value, due to abnormal lineup.
 WERLING, J. A. Duquesne Light Co. 78/11/09. 2pp. 94136:120.

7811170219 Submits interim rept re previous LER#78-53/01T: Further investigation into apparent errors in stress analysis for safety injection piping inside containment reveals original rept was erroneous. Full rept will follow.
 WERLING, J. A. Duquesne Light Co. 78/11/09. 2pp. 94136:126.

7811170172 Forwards LER#78-055/03L-0.
 WERLING, J. A. Duquesne Light Co. 78/11/13 2pp. 94048:125.

--7811170178 LER#78-055/03L-0 on 781013: channel N41 rate trip set at 11.8% in 2.2 seconds rather than limit of 5.5% in 2 seconds. Caused by inadvertent readjustment or improper calibr of the setpoint.
 WERLING, J. A. Duquesne Light Co. 78/11/13. 1p. 94048:127.

7811170221 Forwards LER#78-056/03L-0.
 WERLING, J. A. Duquesne Light Co. 78/11/13. 2pp. 94048:299.

--7811170234 LER#78-056/03L-0 on 781011: vent exhaust monitor RM-VB-101 removed from svc for grab samples. Sample not taken for one day due to personnel error. (For ltr see ANO#7811170172.)
 WERLING, J. A. Duquesne Light Co. 78/11/13. 1p. 94048:301.

7812120143 Forwards LER 78-053/01T-0.
 WERLING, J. A. Duquesne Light Co. 78/12/06. 2pp. 94276:260.

--7812120148 LER 78-053/01T-0 on 781026: error noted in original stress analysis for an steam injection line. Error caused by misapplication of simplified analysis technique employed during original design. Corrective action implemented.
 WERLING, J. A. Duquesne Light Co. 78/12/06. 3pp. 94276:262.

7812160180 Forwards LER#78-057/04L-0.
 WERLING, J. A. Duquesne Light Co. 78/12/08. 2pp. 94359:344.

--7812160184 LER#78-057/04L-0 on 781110: records review showed gas waste monitor WRM-QW-108B was inoper from 780210-13 & no results of grab samples could be located, due to failure by Radcon personnel to obtain the samples.
 WERLING, J. A. Duquesne Light Co. 78/12/08. 1p. 94359:346.

7812290222 Forwards LER#78-058/04T-0.
 WERLING, J. A. Duquesne Light Co. 78/12/19. 2pp. 94191:193.

--7812290226 LER#78-058/04T-0 on 781108: chlorination was performed river water headers during plant shutdown & free chlorine residual exceeded allowable 0.5ppm, due to personnel error.
 WERLING, J. A. Duquesne Light Co. 78/12/19. 2pp. 94191:195.

7812290216 Forwards LER#78-059/03L-0. LER#78-060/03L-0 & LER#78-061/03L-0.
 WERLING, J. A. Duquesne Light Co. 78/12/22. 2pp. 94191:181.

--7812290223 LER#78-059/03L-0 on 781108: during performance of Type Containment Penetration Leak Test, 12 valves were found to be leaking at a rate greater than maximum measurable on leak rate monitor caused by excessive valve leakage.
 WERLING, J. A. Duquesne Light Co. 78/12/22 3pp. 94191:183.

--7812290227 LER#78-060/03L-0 on 770718: during review of surveillance test records it was determined that monthly test for 1B RPRW Pump was not performed by 770718 as req. Caused by improper sched of surveillance test.
 WERLING, J. A. Duquesne Light Co. 78/12/22. 1p. 94191:184.

--7812290235 LER#78-061/03L-0 on 781012: during performance of con isolation check valve surveillance test, 1A RCP seal injection spring-loaded check valve was found to have an opening pressure of 11.5 PSID. Caused by excess force.
 WERLING, J. A. Duquesne Light Co. 78/12/22. 1p. 94191:187.

PERSONAL AUTHOR INDEX

The subject category column in this index gives the docket number and the symbol for the category of information within that docket; for example, 50-320 P. The docket subject categories are defined in Appendix A.

Subject categories for nondocketed items are also entered in this column by symbol; for example, ACRS. These categories are defined in Appendix B and listed in the Contents.

An asterisk following the accession number in this index indicates that the document is an enclosure to another document. To obtain the accession number of the principal document under which the enclosure is listed, refer to the index entitled "Cross Reference of Enclosures to Principal Documents."

AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY
ABBOTT, W. S.	7812010042*	50-471 Q	ANDERSON, T. M.	7811210234	50-275 A	ANTIO, H. A.	7811280473	50-29
ABBOTT, W. S.	7811210140	50-471 A	ANDERSON, D.	7812210204*	50-213 R	APADAKIS, C. N.	7811070136*	50-329
ABRAMSON, L.	7812270032*	50-320 Q	ANDERSON, C. J.	7811240157	50-322 Q	ARCHER, J. F.	7811220237	50-466
ABSTON, O. Q.	7810300269*	50-389 B	ANDERSON, C. J.	7811240161*	50-322 Q	ARCHER, J. F.	7812040316	50-466
ABSTON, O. Q.	7811280425	50-400 A	ANDERSON, D.	7811210009	50-70 Q	ARCHITZEL, R. E.	7811300363*	50-184
ACHTERBERG, J.	7810270231*	50-249 B	ANDERSON, T. M.	7811160127	50-572 B	ARCHITZEL, R. E.	7810160002*	50-293
ACHTERBERG, J.	7811210115*	50-237 B	ANDERSON, T. M.	7811240164	50-445 A	ARNOLD, T. Q.	7810310135*	50-348
ACHTERBERG, J.	7811210181*	50-237 B	ANDERSON, T. M.	7811240165	50-445 A	ARON, R.	7811210325*	50-29
ACHTERBERG, J.	78112270271*	50-237 B	ANDERSON, T. M.	7812080039	50-272 P	ARTHUR, J. E.	7812280191	50-485
ADAMS, W. E.	7810110119	50-255 R	ANDERSON, P. L.	7812200217*	50-309 B	ARTIGAS, R.	7812010249*	50-447
ADAMS, J.	7811020251*	50-187 P	ANDERSON, P. L.	7812200254*	50-309 B	ASHENDEN, J.	7810110290*	50-338
ADAMS, W. E.	7811140147	50-255 R	ANDERSON, J. M.	7812190140	50-545 A	ASPERGER, R. Q.	7810230373	50-341
ADAMSON, R. W.	7812070066	50-394 P	ANDERSON, C. J.	7812290005	50-322 A	ASPERGER, R. Q.	7811080063	50-341
ADAMS, W. E.	7812110122	50-255 R	ANDERSON, T. M.	7812290136	50-480 A	ASPERGER, R. Q.	7811080282	50-341
ADAMS, D. B.	7812270073*	50-485 Q	ANDERSON, T. V.	7812270197*	50-106 P	ASHWELL, D. L.	7811010004	50-382
ADAMS, D. S.	7812270076*	50-485 Q	ANDOGNINI, Q. C.	7810170136	50-293 P	ASHWELL, D. L.	7810110115	50-382
ADAMS, D. S.	7812270081	50-485 Q	ANDOGNINI, Q. C.	7810180113	50-293 P	ASHWELL, D. L.	7811170086*	50-382
AINGER, K. A.	7811240129*	50-295 B	ANDOGNINI, Q. C.	7810270105	50-293 P	ASHWELL, D. L.	7811300233	50-382
ALBERT, W. Q.	7811010037*	50-361 Q	ANDOGNINI, Q. C.	7811070185	50-293 P	ASHWELL, D. L.	7811210230*	50-382
ALBERT, W. Q.	7811270199*	50-522 Q	ANDOGNINI, Q. C.	7811140132	50-293 K	ASHWELL, D. L.	7812050182	50-382
ALBERT, W. Q.	7812210153*	50-460 Q	ANDOGNINI, Q. C.	7811150168	50-293 F	ASHWELL, D. L.	7812110135	50-382
ALBERT, W. Q.	7812280246*	50-361 Q	ANDOGNINI, Q. C.	78122080185	50-293 Q	ASHWELL, D. L.	7812120115	50-382
ALBIE, K.	7810120084*	50-346 B	ANDOGNINI, Q. C.	7811270163	50-293 P	ASHWELL, D. L.	7812190092	50-382
ALDEN, W. M.	7810230167*	50-277 R	ANDOGNINI, Q. C.	7812060223	50-293 P	ASHWELL, D. L.	7812200133	50-382
ALDEN, W. M.	7811150116	50-171 W	ANDOGNINI, Q. C.	7812110166	50-293 P	ASHWELL, D. L.	7812200242	50-382
ALDEN, W. M.	7811140144*	50-277 R	ANDOGNINI, Q. C.	7812210258	50-293 P	ASHWELL, D. L.	7812200248	50-382
ALDEN, W. M.	7812260086*	50-277 R	ANDOGNINI, Q. C.	7812260218	50-293 K	ASHWELL, D. L.	7812200290*	50-382
ALDEN, W. M.	7812220064*	50-277 R	ANDOGNINI, Q. C.	7812260223*	50-293 K	ASHWELL, D. L.	7812290173	50-382
ALDERSON, C. E.	7810310074*	50-259 G	ANDREWS, C. H.	7810170194*	50-250 P	AUBRE, R. P.	7810250184	50-312
ALLINGER, K. A.	7810170246*	50-295 B	ANDREWS, R. L.	7810110113	50-285 B	AVERBACH, M.	7810300281*	50-389
ALLAN, J. M.	7810260018	50-219 P	ANDREWS, R. L.	7810110100	50-285 B	AUTIO, H. A.	7810180008	50-29
ALLEN, J.	7812060220*	50-338 H	ANDREWS, R. L.	7810100010	50-285 B	AUTIO, H. A.	7810180015	50-29
ALLEN, D. R.	7811070315	50-592 M	ANDREWS, R. L.	7810110112	50-285 B	AUTIO, H. A.	7810240132	50-29
ALLEN, D. R.	7811160036	50-592 M	ANDREWS, R. L.	7810180139	50-285 B	AUTIO, H. A.	7810240136	50-29
ALLEN, D. R.	7811210392*	50-10 B	ANDREWS, R. L.	7811060200	50-285 B	AUTIO, H. A.	7811090143	50-29
ALLISON, D. P.	7810260219	50-275 A	ANDREWS, R. L.	7811060204*	50-285 B	AUTIO, H. A.	7811170200	50-29
ALLISON, D. P.	7810260099	50-275 A	ANDREWS, R. L.	7811210368	50-285 B	AUTIO, H. A.	7811170211	50-29
ALLISON, D. P.	7811010381	50-275 A	ANDREWS, R. L.	7812010238	50-285 B	AUTIO, H. A.	7811300378	50-29
ALLISON, D. P.	7811010382	50-275 O	ANDREWS, R. L.	7812050173	50-285 B	AUTIO, H. A.	7811210317	50-29
ALLISON, D. P.	7811020029	50-275 A	ANDREWS, R.	7812200272*	50-285 B	AUTIO, H. A.	7811280284	50-29
ALLISON, D.	7811080005	50-275 A	ANDREWS, R. L.	7812200264	50-285 B	AUTIO, H. A.	7811280328	50-29
ALLISON, D. P.	7811290400	50-275 F	ANDREWS, R. L.	7812200265	50-285 B	AUTIO, H. A.	7811280314	50-29
ALLISON, D. P.	7811300079	50-275 A	ANDREWS, R. L.	7812200227	50-285 B	AUTIO, H. A.	7811290198	50-29
ALLISON, D. P.	7812130389	50-275 A	ANDREWS, R. L.	7812270213	50-285 B	AXELRAD, M.	7810200003	50-344
ALLISON, D. P.	7812150033	50-275 A	ANDREWS, R. L.	7812270219	50-285 B	AXELRAD, M.	7810140019	50-344
ANCARROW, H. R.	7812260014	50-247 P	ANDREWS, R. L.	7812270258	50-285 B	AXELRAD, M.	7810270386	50-344
ANDERSON, S. L.	7812080142*	50-306 P	ANDREWS, R. L.	7812270332	50-285 B	AXELRAD, M.	7811020041	50-376
ANDERSON, S. L.	7811140131*	50-266 P	ANDREWS, R. L.	7812290225	50-285 B	AXELRAD, M.	7812040028	50-344
ANDERSON, S. L.	7811140133*	50-266 P	ANG, W. P.	78112050150*	50-327 Q	AXELRAD, M.	7812040031*	50-344
ANDERSON, P. L.	7811030140*	50-309 B	ANG, W. P.	7812060035*	50-395 Q	AXELRAD, M.	7812180438	50-344
ANDERSON, P. L.	7811030135*	50-309 B	ANG, W. P.	7812280080*	50-424 Q	AXELRAD, M.	7812270485	50-344
ANDERSON, P. L.	7811220217*	50-309 B	ANG, W. P.	7812290048*	50-430 Q	AXELRAD, M. L.	7812010070*	50-305
ANDERSON, L. H.	7811210254	50-466 Q	ANG, W. P.	7812210048*	50-413 Q	AXELRAD, M. L.	7811290397*	50-123
ANDERSON, C. J.	7811130258	50-322 A	ANG, W. P.	7812290070*	50-438 Q	AXELRAD, W. L.	7812280229*	50-456
ANDERSON, P. L.	7811220202*	50-309 B	ANGELD, J.	7811270104	50-295 P	AYCOCK, M. B.	7812130044*	50-566

AYERB, T. Q.	7812040207*	50-454	K	BANCROFT, M. H.	7812010337	50-483	Q	BARTH, C. A.	7812290372	50-400
BACHRACH, S. L.	7811020077	50-516	Q	BANCROFT, M. H.	7812180077	50-483	Q	BARTON, A. R.	7812020351	50-364
BACKUS, R. A.	7810170060	50-443	Q	BANKS, H. R.	7810110242*	50-324	Q	BARTON, A. R.	7811130204	50-364
BACKUS, R. A.	7812260087	50-443	Q	BANKS, H. R.	7810110291*	50-324	Q	BARTON, A. R.	7812070022*	50-364
BACKUS, R. A.	7812260092*	50-443	Q	BANKS, H. R.	7810100043	50-261	S	BARTON, A. R.	7812110307	50-364
BACON, J. L.	7810270168	50-329	K	BANKS, H. R.	7810100029	50-324	S	BASKIN, K. P.	7810170103	50-361
BACON, J. L.	7812050142	50-329	A	BANKS, H. R.	7810100049	50-324	S	BASKIN, K. P.	7810200240	50-361
BACON, J. L.	7812050213	50-329	A	BANKS, H. R.	7810130177	50-324	S	BASKIN, K. P.	7810180083	50-361
BACON, J. L.	7812190095	50-329	C	BANKS, H. R.	7810130152	50-325	S	BASKIN, K. P.	7810230155	50-206
BADGER, C. H.	7810230104	50-437	A	BANKS, H. R.	7810130189	50-325	S	BASKIN, K. P.	7810230268	50-206
BAER, R. L.	7812180428	50-70	P	BANKS, H. R.	7810130121	50-324	R	BASKIN, K. P.	7810310132	50-206
BAER, R. L.	7810110003	50-369	A	BANKS, H. R.	7810130158	50-325	S	BASKIN, K. P.	7811220169*	50-266
BAER, R. L.	7811010183	50-369	A	BANKS, H. R.	7810160147	50-261	R	BASKIN, K. P.	7811060086	50-206
BAER, R. L.	7811100169	50-369	A	BANKS, H. R.	7810230020*	50-261	Q	BASKIN, K. P.	7811200118	50-266
BAER, R. L.	7811150018	50-437	F	BANKS, H. R.	7810230143	50-324	S	BASKIN, K. P.	7811220168	50-361
BAER, R. L.	7811150030	50-369	A	BANKS, H. R.	7810230193	50-324	S	BASKIN, K. P.	7811280219	50-206
BAER, R. L.	7811150035	50-437	A	BANKS, H. R.	7810230195*	50-324	S	BASKIN, K. P.	7811300209	50-361
BAER, R. L.	7811160194	50-349	A	BANKS, H. R.	7810270215	50-261	S	BASKIN, K. P.	7811280239	50-206
BAER, R. L.	7812040042	50-369	Q	BANKS, H. R.	7811170238*	50-324	Q	BASKIN, K. P.	7812120220	50-266
BAER, R. L.	7812070015	50-369	A	BANKS, H. R.	7810310143	50-261	S	BASKIN, K. P.	7812040193	50-361
BAER, R. L.	7812110214	50-352	H	BANKS, H. R.	7810310232	50-324	S	BASKIN, K. P.	7812120101	50-206
BAER, R. L.	7812110243	50-369	A	BANKS, H. R.	7810310139	50-324	S	BASKIN, K. P.	7812290113	50-361
BAER, R. L.	7812150208	50-375	A	BANKS, H. R.	7810310210	50-261	S	BAST, B. A.	7812110306	50-303
BAQCHI, Q.	7810260037	50-70	P	BANKS, H. R.	7810310217	50-324	S	BAST, B. A.	7812140359	50-266
BAILEY, R. J.	7810190116*	50-57	Q	BANKS, H. R.	7811090186	50-261	S	BAST, B. A.	7812180267	50-303
BAILEY, R. J.	7810180217*	50-334	Q	BANKS, H. R.	7811090194	50-325	S	BAST, B. A.	7812270452	50-266
BAIR, Q.	7810170145*	50-344	R	BANKS, H. R.	7811160088	50-325	S	BATCH, S.	7812030206*	50-366
BAIR, Q. Q.	7811070198*	50-344	R	BANKS, H. R.	7811160119	50-261	R	BATEMAN, W. H.	7811300387*	50-410
BAIR, Q.	7811140141*	50-344	R	BANKS, H. R.	7811160132	50-325	S	BATES, R. W.	7811280300*	50-336
BAIR, Q.	7811160101*	50-344	R	BANKS, H. R.	7811160091	50-324	R	BATES, R. W.	7812120113*	50-336
BAIR, Q.	7812120153*	50-344	R	BANKS, H. R.	7812140158	50-325	S	BAUCOM, T. L.	7810100079*	50-280
BAIRD, J. B.	7811060008*	50-288	Q	BANKS, H. R.	7812140163	50-261	S	BAUCOM, T. L.	7810110132*	50-280
BAIRD, J. B.	7811270107*	50-344	Q	BANKS, H. R.	7811170209	50-325	S	BAUCOM, T. L.	7810230262*	50-281
BAJWA, B.	7810300019	50-549	A	BANKS, H. R.	7811220183	50-325	S	BAUCOM, T. L.	7810200112*	50-281
BAKER, E. J.	7810240005*	50-437	A	BANKS, H. R.	7812010232	50-261	R	BAUCOM, T. L.	7810200118*	50-280
BAKER, K. R.	7810270398*	50-315	Q	BANKS, H. R.	7812130251*	50-261	Q	BAUCOM, T. L.	7811060213*	50-281
BAKER, R. R.	7811240184	50-329	A	BANKS, H. R.	7812130296*	50-324	Q	BAUCOM, T. L.	7811090240*	50-281
BAKER, K. R.	7812130045*	50-315	Q	BANKS, H. R.	7812070214	50-325	S	BAUCOM, T. L.	7811090215*	50-280
BAKER, D. A.	7812130220	50-303	Q	BANKS, H. R.	7812070165	50-325	S	BAUCOM, T. L.	7811090217*	50-280
BALAGH, R. C.	7812130231	50-498	H	BANKS, H. R.	7812070175	50-324	S	BAUCOM, T. L.	7811090219*	50-280
BALDWIN, W. A.	7810300062	50-70	Q	BANKS, H. R.	7812080127	50-325	S	BAUCOM, T. L.	7811090210*	50-280
BALDWIN, W. A.	7810190193	50-70	Q	BANKS, H. R.	7812140330	50-324	R	BAUCOM, T. L.	7811170185*	50-280
BALDWIN, W. A.	7810230084	50-70	Q	BANKS, H. R.	7812150348	50-261	R	BAUCOM, T. L.	7811210266*	50-281
BALDWIN, W. A.	7812110278	50-70	Q	BANKS, H. R.	7812210181	50-325	S	BAUCOM, T. L.	7811280292*	50-281
BALDWIN, W. A.	7812210512	50-70	Q	BANKS, H. R.	7812210187	50-325	S	BAUCOM, T. L.	7811280238*	50-280
BALLARD, R. L.	7810230057	50-247	P	BANKS, H. R.	7812210218	50-325	S	BAUCOM, T. L.	7812040233*	50-280
BALLARD, R. L.	78101206379	50-498	A	BANKS, H. R.	7812270257	50-261	S	BAUCOM, T. L.	7812050209*	50-280
BALLARD, R. L.	7810180223	50-498	C	BANKS, H. R.	7812270298	50-324	S	BAUCOM, T. L.	7812050211*	50-280
BALLARD, R. L.	7810310243*	50-244	P	BANTA, F. L.	7812270068	50-359	A	BAUCOM, T. L.	7812050214*	50-280
BALLARD, R. L.	7811030182	50-286	P	BARDES, C. F.	7811090096	50-259	J	BAUCOM, T. L.	7812140126*	50-280
BALLARD, R. L.	7812260039*	50-247	P	BARDES, C. R.	7812180151*	50-213	J	BAUCOM, T. L.	7812140129*	50-280
BALLARD, R. L.	7811070098	50-510	D	BARKER, J. L.	7811010022*	50-10	Q	BAUCOM, T. L.	7812140131*	50-280
BALLARD, R. L.	7811080186	50-568	A	BARKER, J. L.	7811010022*	50-10	Q	BAUCOM, T. L.	7812140229*	50-281
BALLARD, R. L.	7811080235	50-510	A	BARKER, J. L.	7811300258*	50-10	Q	BAUCOM, T. L.	7812140234*	50-281
BALLARD, R. L.	7811130289	50-373	D	BARKER, H. A.	7812290124	50-346	A	BAUCOM, T. L.	7812200207*	50-280
BALLARD, R. L.	7811130292*	50-373	D	BARLOW, O.	7812040348	50-70	Q	BAUCOM, T. L.	7812270281*	50-281
BALLARD, R. L.	7811130428	50-373	D	BARNETT, E. W.	7810270322	50-498	Q	BAUCOM, T. L.	7812270294*	50-280
BALLARD, R. L.	7811140001	50-373	D	BARNETT, E. W.	7812180298	50-445	H	BAUCOM, T. L.	7812270324*	50-280
BALLARD, R. L.	7811200017	50-373	A	BARR, R. W.	7811070285	50-341	Q	BAUM, E. A.	7810110162	50-338
BALLARD, R. L.	7812010331	50-568	Q	BARRETT, P. A.	7811010057*	50-358	Q	BAUM, E. A.	7810180139	50-338
BALLARD, R. L.	7812130050	50-546	A	BARRETT, P. A.	7811020168*	50-341	Q	BAUM, E. A.	7810270112	50-404
BALLARD, R. L.	7812060379	50-454	A	BARRETT, J. E.	7810160094*	50-302	R	BAUM, E. A.	7811020306	50-338
BALLARD, R. L.	7812070049	50-448	A	BARRETT, L.	7810180187	50-220	P	BAUNACK, W. H.	7810260028*	50-220
BALLARD, R. L.	7812070275	50-341	C	BARRETT, P. A.	7812190155*	50-483	Q	BAUNACK, W. H.	7811080246*	50-219
BALLARD, R. L.	7812110040	50-275	H	BARRETT, J. E.	7811280271*	50-302	R	BAUNACK, W. H.	7811150194*	50-220
BALLARD, R. L.	7812140102	50-502	A	BARRETT, P. A.	7812070108*	50-456	Q	BAUNACK, W. H.	7811290339*	50-336
BALLARD, R. L.	7812140115	50-502	A	BARRETT, J. E.	7811280187*	50-302	R	BAUNACK, W. H.	7812110310*	50-245
BALLARD, R. L.	7812140134	50-502	A	BARRETT, J. E.	7812200179*	50-302	R	BAILEY, B. X.	7810180039*	50-366
BALLARD, R. L.	7812140172	50-502	A	BARBUS, C.	7812050138*	50-298	S	BAILEY, B. X.	7810180122*	50-366
BALLARD, R. L.	7812140283	50-502	A	BARTH, C. A.	7810240019	50-488	A	BAILEY, B. X.	7810310162*	50-321
BALLARD, R. L.	7812140269	50-502	A	BARTH, C. A.	7810270289	50-580	Q	BAILEY, B. X.	7810310171*	50-321
BALLARD, R. L.	7812120027	50-445	A	BARTH, C. A.	7811120013	50-400	Q	BAILEY, B. X.	7811060140*	50-321
BALLARD, R. L.	7812120034*	50-445	A	BARTH, C. A.	7811280047	50-400	Q	BAILEY, B. X.	7811280220*	50-366
BALLARD, R. L.	7812120035*	50-445	A	BARTH, C. A.	7811210007	50-491	Q	BAILEY, B. X.	7811280293*	50-366
BALLARD, R. L.	7812140236	50-395	A	BARTH, C. A.	7811210029	50-400	F	BAILEY, B. X.	7812180186*	50-366
BALLARD, R. L.	7812190085	50-346	P	BARTH, C. A.	7811210093	50-488	Q	BAILEY, B. X.	7812180202*	50-366
BALLARD, R. L.	7812210100	50-324	P	BARTH, C. A.	7811210116	50-580	Q	BAKTER, T. A.	7810140022	50-484
BALLARD, R. L.	7812210107*	50-324	P	BARTH, C. A.	7811270082	50-488	A	BAKTER, T. A.	7810160091	50-484
BALLINGER, P.	7812290201*	50-298	S	BARTH, C. A.	7811290007	50-488	Q	BAKTER, T. A.	7810190810	50-484
BALOUGH, R. C.	7810270297	50-498	H	BARTH, C. A.	7811290362	50-488	Q	BAKTER, T. A.	7810100080	50-484
BALSBLEY, J. R.	7810270134	50-568	A	BARTH, C. A.	7812130224	50-448	Q	BAKTER, T. A.	7810270005	50-484
BALTZ, J.	7810100063	50-346	S	BARTH, C. A.	7812130188	50-580	Q	BAKTER, R. C.	7812180147	50-332
BALT, J.	7811286282	50-329	C	BARTH, C. A.	7812180218	50-400	Q	BAKTER, R. C.	7812180144	50-332
BANCROFT, M. H.	7812280040*	50-388	A	BARTH, C. A.	7812270389	50-266	P	BAKTER, J. P.	7811100188*	50-286
BANCROFT, M. H.	7811270009	50-483	Q	BARTH, C. A.	7812270482	50-266	Q	BAKTER, J. P.	7812010089*	50-286

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BAYNE, J. P.	7811100145	50-286 Q	BERKOW, H. N.	7812210260	50-297 Q	BLACK, R. L.	7810140073	50-322
BAYNE, J. P.	7811100138	50-286 Q	BERRY, Q. T.	7810110085	50-286 P	BLACK, R. L.	7810230233	50-322
BAYNE, J. P.	7810250135	50-286 Q	BERSON, B. A.	7810110018	50-266 Q	BLACK, R. L.	7811020315	50-354
BAYNE, J. P.	7810100098	50-286 S	BERSON, B. A.	7810110083	50-266 Q	BLACK, R. L.	7811150083	50-322
BAYNE, J. P.	7810120058	50-286 S	BERSON, B. A.	7810110072	50-266 Q	BLACK, R. L.	7811130448	50-341
BAYNE, J. P.	7810130167	50-286 R	BERSON, B. A.	7810260222	50-266 Q	BLACK, R. L.	7811130113	50-341
BAYNE, J. P.	7811100129	50-286 Q	BERSON, B. A.	7811130089	50-266 Q	BLACK, R. L.	7812040342	50-322
BAYNE, J. P.	7811080086	50-286 Q	BERSON, B. A.	7812040344	50-266 Q	BLACK, R. L.	7812040345	50-322
BAYNE, J. P.	7812010076	50-286 Q	BERSON, B. A.	7812080163	50-380 Q	BLACK, R. L.	7812080162	50-341
BAYNE, J. P.	7811060210	50-286 S	BERSON, B. A.	7812080169	50-346 Q	BLACK, R. L.	7812140353	50-341
BAYNE, J. P.	7811070253	50-286 P	BERSON, B. A.	7812080172	50-368 Q	BLACK, R. L.	7812180299	50-322
BAYNE, J. P.	7811140104	50-286 R	BERSON, B. A.	7812080175	50-266 Q	BLACK, R. L.	7812270370	50-322
BAYNE, J. P.	7811140247	50-286 S	BERSON, B. A.	7812130224	50-448 Q	BLACK, R. L.	7812270366	50-320
BAYNE, J. P.	7811220189	50-286 B	BERSON, B. A.	7811100130	50-269 Q	BLACK, R. L.	7812270114	50-320
BAYNE, J. P.	7812150237	50-286 R	BESECKER, K. H.	7812210363	50-299 Q	BLAKE, J.	7810130101	50-413
BAYNE, J. P.	7812260130	50-286 Q	BESECKER, K. H.	7811300013	50-335 Q	BLAKE, J. J.	7811200034	50-324
BAYNE, J. P.	7812220095	50-286 S	BEST, J.	7811090092	50-220 Q	BLAKE, J.	7811240033	50-230
BAYNE, J. P.	7812290170	50-286 P	BETTENHAUSEN, L.	7812010282	50-320 Q	BLAKE, J. J.	7810270272	50-324
BEACH, A. B.	7812210179	50-445 Q	BETTENHAUSEN, L.	7812110310	50-245 Q	BLAKE, J. J.	7812210064	50-413
BEATTY, Q. P.	7810200160	50-302 F	BETTENHAUSEN, L.	7812130317	50-269 Q	BLANSETT, V.	7810110079	50-186
BECHHOEFER, C.	7810300053	50-409 Q	BEVIG, R. M.	7811020262	50-466 H	BLASINGAME, J. H.	7811100066	50-387
BECHHOEFER, C.	7811010432	50-387 Q	BEYER, S.	7810310346	50-346 S	BLAU, H. L.	7810200218	50-322
BECHHOEFER, C.	7811070272	50-498 Q	BIDEN, M. D.	7812060236	50-295 Q	BLOCK, S.	7812010373	50-244
BECHHOEFER, C.	7811060261	50-387 Q	BIELAWSKI, A. P.	7812120223	50-295 Q	BLOCK, J. D.	7812270060	50-247
BECHHOEFER, C.	7811100166	50-498 Q	BIELAWSKI, A. P.	7812130122	50-237 Q	BLOOM, J. A.	7810260223	50-275
BECHHOEFER, C.	7811220089	50-341 Q	BIELAWSKI, A. P.	7812270127	50-295 P	BLUM, S.	7811080060	50-369
BECHHOEFER, C.	7811300355	50-388 Q	BIELAWSKI, A. P.	7812270010	50-356 Q	BLUM, S.	7811290350	50-369
BECHHOEFER, C.	7811290085	50-498 Q	BIERBAUM, Q. A.	7810180128	50-133 R	BLUMBERG, N. J.	7812270449	50-220
BECHHOEFER, C.	7812030087	50-498 Q	BIERBAUM, Q. A.	7811150149	50-133 R	BLUME, M. B.	7810230124	50-445
BECHHOEFER, C.	7811300410	50-409 Q	BIRKEL, R. A.	7811200168	50-437 A	BLUME, M. B.	7811130427	50-498
BECHHOEFER, C.	7812070251	50-341 Q	BIRKEL, R. A.	7811200298	50-437 A	BLUME, M. B.	7812080216	50-498
BECHHOEFER, C.	7812130125	50-341 Q	BIRKEL, R. A.	7811200435	50-437 A	BLUME, M. B.	7811230372	50-445
BECHHOEFER, C.	7812270043	50-387 Q	BIRKEL, R. A.	7811200430	50-437 A	BLUME, M. B.	7812210262	50-498
BECHHOEFER, C.	7812270281	50-341 T	BIRKEL, R. A.	7811200428	50-437 A	BLUME, M. B.	7812270091	50-498
BECKMAN, D.	7810260028	50-220 Q	BIRKEL, R. A.	7811200174	50-437 A	BOHN, R. J.	7810130139	50-367
BECKMAN, D. A.	7811080097	50-286 Q	BIRKEL, R. A.	7811200213	50-437 A	BOHN, R. J.	7811080224	50-367
BECKMAN, D.	7811090017	50-247 Q	BIRKEL, R. A.	7811090186	50-437 A	BOHN, R. J.	7810160136	50-367
BECKMAN, D.	7811100148	50-311 Q	BIRKEL, R. A.	7811200177	50-437 A	BOHN, R. J.	7811030144	50-367
BECKMAN, D.	7812080147	50-334 Q	BIRKEL, R. A.	7811200359	50-437 A	BOHN, R. J.	7810270091	50-376
BEDNAR, L. F.	7812050170	50-298 S	BIRKEL, R. A.	7811200298	50-437 A	BOHN, R. J.	781030147	50-367
BEDNAR, L. F.	7812050145	50-298 S	BIRKEL, R. A.	7811200295	50-437 A	BOHN, R. J.	7811140208	50-367
BEDNAR, L. F.	781200274	50-298 S	BIRKEL, R. A.	7811200246	50-437 A	BOHN, R. J.	7811170106	50-367
BEDROBIAN, P.	7810310286	50-868 A	BIRKEL, R. A.	7810110019	50-369 F	BOHN, R. J.	7811210360	50-367
BEORBIAN, P.	7810310281	50-868 A	BIRKEL, R. A.	7810250195	50-369 A	BOHN, R. J.	7812050183	50-367
BEELER, T.	7811210382	50-346 S	BIRKEL, R. A.	7810260096	50-369 A	BOHN, R. J.	7812110119	50-367
BEELER, T.	7810100063	50-346 S	BIRKEL, R. A.	7811030032	50-369 A	BOHN, R. J.	7812210174	50-367
BEHAIN, L. E.	7811020177	50-223 Q	BIRKEL, R. A.	7811220041	50-437 A	BOLLAND, E. P.	7812010046	50-471
BEHN, J. D.	7812290102	50-275 F	BIRKEL, R. A.	7812010148	50-369 Q	BOLLNOW, D. I.	7810110122	50-235
BEILMAN, T. P.	7810180188	50-315 S	BIRKEL, R. A.	7812130283	50-369 Q	BOLLNOW, D. I.	7811140148	50-235
BEILMAN, T. P.	7810110192	50-315 S	BIRKLE, A. J.	7810160197	50-329 Q	BOLLNOW, D. I.	7812110125	50-235
BEILMAN, T. P.	7810250117	50-315 S	BISHOP, T. W.	7811070179	50-397 Q	BONCHI, L.	7812080184	50-361
BEILMAN, T. P.	7811240172	50-315 S	BISHOP, T. W.	7810190093	50-397 Q	BONNER, J. F.	7812130008	50-133
BEILMAN, T. P.	7811240173	50-315 S	BISHOP, T. W.	7811270126	50-70 Q	BOOK, H. E.	7810300018	50-206
BEILMAN, T. P.	7811240174	50-315 S	BISSETT, P. H.	7810180181	50-20 Q	BOOK, H. E.	7810300020	50-206
BEILMAN, T. P.	7811300181	50-316 S	BISSETT, P. H.	7811010099	50-277 Q	BOOK, H. E.	7811060007	50-288
BEILMAN, T. P.	7811300188	50-316 S	BIXEL, D. A.	7812040178	50-255 Q	BOOK, H. E.	7811060008	50-288
BEILMAN, T. P.	7812080068	50-316 S	BIXEL, D. A.	7810170217	50-155 S	BOOK, H. E.	7811270102	50-344
BEILMAN, T. P.	7812080087	50-315 S	BIXEL, D. A.	7810110104	50-155 S	BOOK, H. E.	7811270088	50-312
BEILMAN, T. P.	7812120167	50-315 S	BIXEL, D. A.	7811240170	50-155 Q	BOOK, H. E.	7811270093	50-312
BEILMAN, T. P.	7812270286	50-316 S	BIXEL, D. A.	7811240231	50-155 S	BOOK, H. E.	7812140072	50-70
BELANGER, J. L.	7812140086	50-10 Q	BIXEL, D. A.	7810130171	50-133 S	BOOK, H. E.	7812140070	50-70
BELBLE, Q. A.	7812150063	50-261 Q	BIXEL, D. A.	7810160097	50-133 S	BOOK, H. E.	7812150180	50-206
BELL, H. H.	781200276	50-437 A	BIXEL, D. A.	7810250063	50-133 S	BOOK, H. E.	7811270097	50-312
BELL, M. A.	7810200108	50-344 S	BIXEL, D. A.	7811210369	50-133 S	BOOK, H. E.	7812190194	50-133
BELL, L. K.	7812200609	50-349 T	BIXEL, D. A.	7810250096	50-133 S	BORDENICK, B. M.	7810140004	50-516
BELL, N. L.	7812140324	50-344 Q	BIXEL, D. A.	7810310130	50-133 S	BORDENICK, B. M.	7810240209	50-516
BELMORE, C. I.	7810270097	50-219 R	BIXEL, D. A.	7811010163	50-133 S	BORDENICK, B. M.	7810800247	50-516
BENARDYA, V.	7812040244	50-368 P	BIXEL, D. A.	7811020212	50-133 S	BORDENICK, B. M.	781060108	50-516
BENARDYA, V.	7812060327	50-369 F	BIXEL, D. A.	7811030136	50-133 S	BORDENICK, B. M.	7811060040	50-582
BENDER, B. B.	7812120121	50-295 S	BIXEL, D. A.	7811060084	50-133 S	BORDENICK, B. M.	7811060132	50-514
BENDER, B. B.	7908080684	50-295 S	BIXEL, D. A.	7811280052	50-135 Q	BORDENICK, B. M.	7811140003	50-443
BENEDICT, R. A.	7810120133	50-382 F	BIXEL, D. A.	7811140146	50-135 S	BORDENICK, B. M.	7811140019	50-582
BENEDICT, R. A.	7811220296	50-382 A	BIXEL, D. A.	7811150138	50-135 P	BORDENICK, B. M.	7811100182	50-582
BENEDICT, R. A.	7812130323	50-382 F	BIXEL, D. A.	7812080192	50-135 Q	BORDENICK, B. M.	7811200060	50-488
BENNETT, L. R.	7810300280	50-333 Q	BIXEL, D. A.	7811270094	50-135 P	BORDENICK, B. M.	7811200097	50-220
BENTON, L. P.	7811080230	50-488 A	BIXEL, D. A.	7812040220	50-135 P	BORDENICK, B. M.	7811210101	50-516
BENTON, W.	7811220102	50-70 H	BIXEL, D. A.	7812040237	50-135 S	BORDENICK, B. M.	7812050292	50-516
BEOLLETO, J. A.	7811100045	50-361 Q	BIXEL, D. A.	7812070215	50-135 P	BORDENICK, B. M.	7811290386	50-582
BEOLLETO, J. A.	7811100046	50-361 Q	BIXEL, D. A.	7812090224	50-135 P	BORDENICK, B. M.	7812050033	50-582
BEOLLETO, J. A.	7811100047	50-206 Q	BIXEL, D. A.	7812110171	50-135 S	BORDENICK, B. M.	7812040261	50-397
BEOLLETO, J. A.	7811100048	50-206 Q	BIXEL, D. A.	7812120182	50-135 P	BORDENICK, B. M.	7812110221	50-516
BERGER, M. O.	7811200103	50-389 H	BIXEL, D. A.	7812220074	50-135 S	BORDENICK, B. M.	7812130085	50-514
BERGER, M. O.	7812040260	50-389 H	BIXEL, D. A.	7812260212	50-135 P	BORDENICK, B. M.	7812270132	50-329
BERGER, M. O.	7812040032	50-346 H	BIXEL, D. A.	7812270180	50-135 Q	BORER, P. J.	7810170299	50-298
BERGER, M. O.	7812140209	50-346 H	BIXEL, D. A.	7812280134	50-135 P	BORER, P. J.	7811160114	50-298

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BORER, P. J.	7812130160*	50-298 R	BOYD, R. S.	7810270026	50-434 A	BRENNER, L.	7811010323	50-3
BORER, R. J.	7811060247*	50-3 Q	BOYD, R. S.	7811030192	50-343 A	BRENNER, L.	7811010193	50-3
BORER, R. J.	7811100181*	50-286 Q	BOYD, R. S.	7811080330	50-397 A	BRENNER, L.	7811140003	50-4
BORER, R. J.	7812180038*	50-3 Q	BOYD, R. S.	7811140258	50-410 A	BRENNER, L.	7812050082	50-4
BORGHANN, E. A.	7810110157	50-358 A	BOYD, R. S.	7811140265*	50-410 A	BRENNER, L.	7812130081	50-4
BORGHANN, E. A.	7811210170	50-358 J	BOYD, D. C.	7812060236*	50-295 Q	BRENNER, L.	7812140123	50-3
BORGHANN, E. A.	7811070370	50-358 Q	BOYD, R. S.	7811130397	50-445 A	BRENNER, L.	7812180305	50-4
BORGHANN, E. A.	7811010169	50-358 K	BOYD, R. S.	7811200099	50-480 A	BRENNER, L.	7812140177	50-4
BORGHANN, E. A.	7811010171	50-358 K	BOYD, R. S.	7811290003*	50-572 A	BRIQOS, L. E.	7811300306*	50-3
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BORGHANN, E. A.	7811220000	50-358 Q	BOYD, R. S.	7812060099	50-327 A	BRIGHT, G. D.	7812110266	50-4
BORGHANN, E. A.	7812060016	50-358 Q	BOYD, R. S.	7811290275	50-443 A	BRIGHT, G. D.	7812150086	50-2
BORGHANN, E. A.	7812070119	50-358 K	BOYD, R. S.	7811290278	50-440 A	BRIGHT, G. D.	7812130064	50-2
BORGHANN, E. A.	7812070147	50-358 F	BOYD, R. S.	7811300296	50-458 A	BRIGHT, G. D.	7812200344	50-2
BORGHANN, E. A.	7812200228	50-358 Q	BOYD, R. S.	7811300315	50-424 A	BRIGHT, G. D.	7812200338	50-2
BORGHANN, E. A.	7812210163	50-358	BOYD, R. S.	7811300319	50-413 A	BRIGHT, G. D.	7812220014	50-2
BORGHANN, E. A.	7812150306	50-358 K	BOYD, R. S.	7811300323	50-491 A	BRIGHT, G. D.	7812290002	50-2
BORGHANN, E. A.	7812190146	50-358 A	BOYD, R. S.	7811300326	50-410 A	BRIGHT, G. D.	7812290279	50-2
BORGHANN, E. A.	7812190004	50-358 F	BOYD, R. S.	7811300331	50-546 A	BRIGHT, G. D.	7812290280	50-2
BORGHANN, E. A.	7812200214	50-358 K	BOYD, R. S.	7811300360	50-367 A	BRIGHT, G. D.	7812290282	50-2
BORGHANN, E. A.	7812270191	50-358 K	BOYD, R. S.	7811300372	50-363 A	BRIGHT, G. D.	7812290283	50-2
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BOROB, J. J.	7811100094*	50-213 Q	BOYD, R. S.	7811290371	50-387 A	BRUEHL, D. J.	7810200015	50-3
BOSNACK, R. J.	7811200365*	50-437 A	BOYD, R. S.	78112040015	50-373 A	BRUEHL, D. J.	7810130147	50-3
BOUKNIGHT, J. A.	7810310179*	50-498 M	BOYD, R. S.	7812050099	50-352 A	BRUEHL, D. J.	7811020103	50-3
BOUKNIGHT, J. A.	7810140017	50-498 M	BOYD, R. S.	78112050279	50-389 A	BRUEHL, D. J.	7810240091	50-3
BOUKNIGHT, J. A.	7811080021	50-498 M	BOYD, R. S.	7811270262	50-352 A	BRUEHL, D. J.	7811080228	50-3
BOUKNIGHT, J. A.	7811130259	50-389 M	BOYD, R. S.	7812010379	50-382 A	BRUEHL, D. J.	7811100114	50-3
BOUKNIGHT, J. A.	7811130404	50-398 M	BOYD, R. S.	7811205006	50-404 A	BRUEHL, D. J.	7811070112	50-3
BOUKNIGHT, J. A.	7811130431	50-389 M	BOYD, R. S.	7812050104	50-482 A	BRUEHL, D. J.	7812110006	50-3
BOUKNIGHT, J. A.	7812180258	50-448 M	BOYD, R. S.	7812050114	50-460 A	BRUEHL, D. J.	7811280324	50-3
BOUKNIGHT, J. A.	7812270410	50-389 M	BOYD, R. S.	7812070061	50-354 A	BROOKS, A. B.	7811200092*	50-3
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BOWERS, E. S.	7810250182	50-275 Q	BOYD, R. S.	7812110031	50-366 A	BROWN, M. S.	7810100063*	50-2
BOWERS, E. S.	7810190160	50-397 Q	BOYD, R. S.	7812060306	50-318 A	BROWN, M. S.	7810180032*	50-2
BOWERS, E. S.	7810230003	50-322 Q	BOYD, R. S.	7812070103	50-556 L	BROWN, S. A.	7810230264	50-3
BOWERS, E. S.	7810230193	50-488 Q	BOYD, R. S.	7812080208	50-327 A	BROWN, S. C.	7810170109	50-4
BOWERS, E. S.	7811010121	50-397 Q	BOYD, R. S.	7812070257	50-387 A	BROWN, S. C.	7810230307	50-4
BOWERS, E. S.	7811060021	50-275 A	BOYD, R. S.	7812140013	50-368 P	BROWN, S. C.	7810200054	50-3
BOWERS, E. S.	7811070023	50-322 Q	BOYD, R. S.	7812140014*	50-368 P	BROWN, S. C.	7810230299	50-2
BOWERS, E. S.	7811080073	50-488 Q	BOYD, R. S.	7812120030*	50-445 A	BROWN, S. C.	7812010321	50-3
BOWERS, E. S.	7811070356	50-397 Q	BOYD, R. S.	7812120032*	50-445 A	BROWN, S. C.	7810240140	50-3
BOWERS, E. S.	7811170007	50-275 Q	BOYD, R. S.	7812140248	50-368 P	BROWNLEE, V. L.	7811300170*	50-4
BOWERS, E. S.	7811200427	50-488 Q	BOYD, R. S.	7812130017	50-595 A	BROWN, Q. D.	7812130336*	50-3
BOWERS, E. S.	7811210016	50-580 Q	BOYD, R. S.	7812140275*	50-275 Q	BROWN, C. H.	7812040046*	50-2
BOWERS, E. S.	7811210026	50-448 Q	BOYD, R. S.	7812140278*	50-275 Q	BROWN, S. C.	7811060102	50-3
BOWERS, E. S.	7811280048	50-275 Q	BOYD, R. S.	7812140279*	50-275 Q	BROWNLEE, V. L.	7812270372*	50-3
BOWERS, E. S.	7812070266	50-397 Q	BOYD, R. S.	7812150179	50-387 A	BROWN, S. C.	7811070146	50-3
BOWERS, E. S.	7812090004	50-275 Q	BOYD, R. S.	7812210254	50-416 A	BROWN, S. C.	7811070322	50-3
BOWERS, E. S.	7812180027	50-275 Q	BOYD, R. S.	7812210040	50-368 P	BROWN, S. C.	7811090243	50-3
BOWERS, E.	7812150056	50-275 Y	BOYD, F. Q.	7812290171	50-273 H	BROWN, S. C.	7811140129	50-3
BOWERS, E.	7812130064	50-275 Y	BOYER, V. S.	7812130098*	50-352 Q	BROWN, S. C.	7811160087	50-3
BOWERS, E.	7812200344	50-275 Y	BOYER, V. S.	7812130083*	50-352 Q	BROWN, S. C.	7811210399	50-3
BOWERS, E.	7812200338	50-275 Y	BOYER, V. S.	7811280248	50-352 S	BROWN, S. C.	7811210309	50-3
BOWERS, E. S.	7812210297	50-322 Q	BOYER, V. S.	7812110213	50-352 Q	BROWN, S. C.	7811240111	50-3
BOWERS, E. S.	7812210317	50-397 Q	BOYTER, N. C.	7810140092*	50-313 Q	BROWN, S. C.	7811280200	50-4
BOWERS, E.	7812270346	50-275 Y	BOYTER, N. C.	7811030036*	50-285 Q	BROWN, D. H.	7811280202*	50-3
BOWERS, E.	7812220014	50-275 Y	BOYTER, N. C.	7811280062*	50-285 Q	BROWN, S. C.	7812060142*	50-3
BOWERS, E. S.	7812280088	50-488 Q	BRADFORD, W. H.	7810310074*	50-239 Q	BROWN, S. C.	7812010235*	50-3
BOWERS, E.	7812290002	50-275 Y	BRADFORD, P. A.	7810300266*	50-389 Q	BROWN, Q. D.	7812290244*	50-3
BOWERS, E.	7812290279	50-275 Y	BRADFORD, W. H.	7810110290*	50-339 Q	BROWN, M. B.	7812080089*	50-2
BOWERS, E.	7812290280	50-275 Y	BRADFORD, W. H.	7810310144*	50-261 Q	BROWN, S. C.	7812120117	50-3
BOWERS, E.	7812290282	50-275 Y	BRADFORD, W. H.	7811130841*	50-280 Q	BROWN, S. C.	7812200225	50-3
BOWERS, E.	7812290283	50-275 Y	BRADFORD, W. H.	7811220064*	50-321 Q	BROWN, S. C.	7812260255	50-3
BOYD, R. S.	7812120049*	50-437 A	BRADFORD, N. H.	7812210350*	50-302 Q	BROWN, S. C.	7812270170	50-3
BOYD, R. S.	7812130054	50-572 A	BRADLEY, R. D.	7811300170*	50-400 Q	BROWN, S. C.	7812270194	50-3
BOYD, R. S.	7812210323	50-327 A	BRADLEY, R. D.	7812210345*	50-400 Q	BROWN, S. C.	7812270189	50-3
BOYD, D. C.	7811080074*	50-295 Q	BRADLEY, E. J.	7812180160	50-278 P	BRUCKNER, G. E.	7810180102*	50-2
BOYD, R. S.	7810130242	50-327 A	BRAND, W. E.	7812210374	50-595 H	BRUDER, G. F.	7811070166*	50-3
BOYD, R. S.	7810130008	50-592 A	BRATTON, J. K.	7811210086*	50-70 U	BRUGER, R. D.	7812120082*	50-3
BOYD, R. S.	7810260038	50-437 A	BRATTON, J. K.	7811070351	50-70 P	BRUGER, R. H.	7812290080	50-3
BOYD, R. S.	7810230387	50-592 A	BREDEMEIER, G. E.	7810190217	50-344 Q	BRUNETT, F. V.	7810130231	50-2
BOYD, R. S.	7810250212*	50-273 A	BRENNER, L.	7810140140	50-546 Q	BRUNNER, E. J.	7810150005*	50-3
BOYD, R. S.	7811010368*	50-320 Q	BRENNER, L.	7810140011	50-443 Q	BRUNNER, E. J.	7810270192*	50-3
BOYD, R. S.	7811010052	50-414 A	BRENNER, L.	7810140065	50-443 Q	BRUNNER, E. J.	7810180177	50-3
BOYD, R. S.	7811010064*	50-414 A	BRENNER, L.	7810140080	50-443 Q	BRUNNER, E. J.	7810260023*	50-3

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BRUNNER, E. J.	7810250048	50-311 Q	BRYANT, J. C.	7812070030*	50-364 Q	BURWELL, S. B.	781220082*	50-347
BRUNNER, E. J.	7811150100*	50-309 Q	BRYANT, J. C.	7812070023*	50-518 Q	BURWELL, S. B.	7812080236	50-349
BRUNNER, E. J.	7811300361	50-184 Q	BRYANT, J. C.	7812120045*	50-395 Q	BUSCH, R. W.	781130128	50-322
BRUNNER, E. J.	7811020182*	50-223 Q	BRYANT, J. C.	7812150040*	50-327 Q	BUSCH, R.	7811200144	50-322
BRUNNER, E. J.	7811020178*	50-223 Q	BRYANT, J. C.	7812280080*	50-424 Q	BUSHBAUM, P. A.	781130234	50-345
BRUNNER, E. J.	7811080238*	50-219 Q	BRYANT, B.	7812200057*	50-556 H	BUST, S. A.	7812140368*	50-266
BRUNNER, E. J.	7810250224	50-219 Q	BRYANT, J. C.	7812290111*	50-553 Q	BUTLER, R. M.	7810230205	50-293
BRUNNER, E. J.	7811080090*	50-286 Q	BRYANT, J. C.	7812290048*	50-390 Q	BUTLER, R. M.	7811090140	50-471
BRUNNER, E. J.	7811080092*	50-286 Q	BRYANT, J. C.	7812060362*	50-389 Q	BUTLER, R. M.	7811140200	50-471
BRUNNER, E. J.	7811080244	50-286 Q	BRYANT, J. C.	7812040175*	50-395 Q	BUTLER, R. M.	7811210326	50-471
BRUNNER, E. J.	7811080290	50-311 Q	BRYAN, J. K.	7812200237	50-483 Q	BUZY, J. J.	7811130241*	50-280
BRUNNER, E. J.	7811080091	50-317 Q	BRYANT, J. C.	7812210048*	50-413 Q	BYRD, H. F.	7812280294	50-338
BRUNNER, E. J.	7811090284	50-320 Q	BRYAN, S. E.	7812130318	50-244 Q	CABA, E. C.	7811070188*	50-346
BRUNNER, E. J.	7811090053	50-277 Q	BRYAN, J. K.	7812290277	50-483 A	CABA, E. C.	7811140136*	50-346
BRUNNER, E. J.	7811090016	50-247 Q	BUCHSBAUM, P. A.	78121120233	50-384 Q	CABA, E.	7812130298*	50-346
BRUNNER, E. J.	7811100099	50-311 Q	BUCKLEY, B. C.	7812220006	50-280 P	CABA, E.	7812120173*	50-346
BRUNNER, E. J.	7811150190*	50-220 Q	BUZIMINSKI, T. A.	7810250100*	50-329 A	CAFFEY, L. M.	7812120090	50-337
BRUNNER, E. J.	7811150192*	50-220 Q	BUHL, A. R.	7812010013*	50-273 A	CAHILL, W. J.	7810100067	50-247
BRUNNER, E. J.	7811100008	50-293 Q	BUHL, A. R.	7812010019*	50-273 A	CAHILL, W. J.	7810110099	50-247
BRUNNER, E. J.	7812010296*	50-317 Q	BUITER, Q. H.	7812130234*	50-303 S	CAHILL, W. J.	7810110153	50-247
BRUNNER, E. J.	7810160080	50-293 Q	BURCHETTE, H. W.	7812140246*	50-445 H	CAHILL, W. J.	7810160105	50-247
BRUNNER, E. J.	7812010097*	50-309 Q	BURDETTE, T. E.	7811080220*	50-369 Q	CAHILL, W. J.	7810160138	50-247
BRUNNER, E. J.	7811100157	50-311 Q	BURDETTE, T. E.	7811220244*	50-398 Q	CAHILL, R. H.	7811060444*	50-382
BRUNNER, E. J.	7811100075	50-213 Q	BURDETTE, T. E.	7812080052*	50-518 Q	CAHILL, W. J.	7810200064	50-3
BRUNNER, E. J.	7811130271	50-334 Q	BURDETTE, T. E.	7812080052*	50-518 Q	CAHILL, W. J.	7810230149	50-247
BRUNNER, E. J.	7811140037	50-311 Q	BURDICK, W. B.	7812200177*	50-458 A	CAHILL, W. J.	7811140255*	50-3
BRUNNER, E. J.	7811100142	50-311 Q	BURGER, A.	7812180044	50-70 P	CAHILL, W. J.	7811070120	50-3
BRUNNER, E. J.	7812010132*	50-219 Q	BURGER, A.	7812180357	50-70 P	CAHILL, W. J.	781070274	50-247
BRUNNER, E. J.	7810260019	50-220 Q	BURGER, A.	7812180414	50-70 P	CAHILL, W. J.	7811070221	50-247
BRUNNER, E. J.	7811150272*	50-317 Q	BURGER, A.	7810180218	50-206 F	CAHILL, W. J.	7811070157	50-247
BRUNNER, E. J.	7811150274*	50-317 Q	BURGER, A.	7810200111	50-206 F	CAHILL, W. J.	781070163*	50-247
BRUNNER, E. J.	7811020060	50-223 Q	BURGER, A.	7811070030	50-29 F	CAHILL, W. J.	7811200181	50-3
BRUNNER, E. J.	7811300295	50-272 Q	BURGHARD, H. C.	7810310227*	50-331 S	CAHILL, W. J.	7811210340	50-3
BRUNNER, E. J.	7811300303	50-322 Q	BURKE, D. J.	7811130241*	50-280 Q	CAHILL, W. J.	7811280076	50-3
BRUNNER, E. J.	7812010277	50-29 Q	BURKE, D. J.	7812060262*	50-280 Q	CAHILL, W. J.	7811200155	50-247
BRUNNER, E. J.	7811290387	50-272 Q	BURKE, D. J.	7812210113*	50-280 Q	CAHILL, W. J.	7811220153	50-3
BRUNNER, E. J.	7810270185	50-334 Q	BURMASTER, H.	7810250041	50-409 Q	CAHILL, W. J.	7811280260	50-247
BRUNNER, E. J.	7811290335*	50-336 Q	BURNETT, P. T.	7810110236*	50-261 Q	CAHILL, W. J.	7812070182*	50-3
BRUNNER, E. J.	7811290338*	50-336 Q	BURNETT, P. T.	7811200214*	50-280 Q	CAHILL, W. J.	7812190121	50-247
BRUNNER, E. J.	7812060194*	50-20 Q	BURNETT, P. T.	7812210154*	50-335 Q	CAHILL, W. J.	7812190102	50-247
BRUNNER, E. J.	7812010280	50-247 Q	BURNETT, P. T.	7812180311*	50-302 Q	CAHILL, W. J.	7812200193	50-247
BRUNNER, E. J.	7811300337	50-320 Q	BURNETT, P. T.	7812130317*	50-267 Q	CAHILL, W. J.	7812200206	50-247
BRUNNER, E. J.	7811080229	50-219 Q	BURSEY, B.	7810310118	50-393 Q	CAHILL, W. J.	7812190174	50-3
BRUNNER, E. J.	7812010016*	50-277 Q	BURSEY, B.	7812270139	50-393 Q	CAHILL, W. J.	7812190180*	50-3
BRUNNER, E. J.	7812010336	50-320 Q	BURSTEIN, S.	7810180046*	50-266 S	CAHILL, W. J.	7812270188	50-3
BRUNNER, E. J.	7812010047	50-286 Q	BURSTEIN, S.	7810180043	50-266 S	CAHILL, W. J.	7812210207	50-3
BRUNNER, E. J.	7812010275	50-219 Q	BURSTEIN, S.	7810180038	50-266 S	CALDWELL, S.	7811010290	50-466
BRUNNER, E. J.	7812110314	50-245 Q	BURSTEIN, S.	7810180040*	50-266 S	CALDWELL, R. A.	7811200330*	50-298
BRUNNER, E. J.	7812060353	50-311 Q	BURSTEIN, S.	7810180099	50-301 R	CALDWELL, D. M.	781220092*	50-349
BRUNNER, E. J.	7811080082	50-286 Q	BURSTEIN, S.	7810170171	50-266 R	CALHOUN, H. L.	7812130235	50-389
BRUNNER, E. J.	7812060298	50-244 Q	BURSTEIN, S.	7810170153	50-266 P	CALVO, J. A.	7812060382	50-311
BRUNNER, E. J.	7812060365	50-333 Q	BURSTEIN, S.	7810230272	50-266 P	CAMPBELL, J.	7811240139*	50-304
BRUNNER, E. J.	7812110303	50-245 Q	BURSTEIN, S.	7810250108	50-302 A	CAMPBELL, J.	7812110154*	50-295
BRUNNER, E. J.	7811150265	50-317 Q	BURSTEIN, S.	7811240130	50-301 S	CANTER, H. L.	7810230092*	50-70
BRUNNER, E. J.	7812080080	50-334 Q	BURSTEIN, S.	7811240136*	50-301 S	CANTER, H. L.	7812080238*	50-326
BRUNNER, E. J.	7812110295	50-336 Q	BURSTEIN, S.	7811240131	50-301 S	CANTER, H.	7812070296*	50-206
BRUNNER, E. J.	7811180092	50-309 Q	BURSTEIN, S.	7811230314*	50-301 S	CANTER, H. L.	7812130314*	50-275
BRUNNER, E. J.	7811150184	50-220 Q	BURSTEIN, S.	7810250086	50-302 A	CANTER, H. L.	7812270456*	50-133
BRUNNER, E. J.	7812200276*	50-219 P	BURSTEIN, S.	7811240149	50-266 S	CANTRELL, F. B.	7810130099*	50-321
BRUNNER, E. J.	7812200280*	50-219 P	BURSTEIN, S.	7811240155	50-266 S	CANTRELL, F. B.	7811280012*	50-321
BRUNNER, E. J.	7812010291	50-317 Q	BURSTEIN, S.	7811240158*	50-266 S	CAPHTON, D. L.	7810250052*	50-311
BRUNNER, E. J.	7812290071	50-271 Q	BURSTEIN, S.	7811070374	50-266 Q	CAPHTON, D. L.	7812010031*	50-277
BRUNNER, E. J.	7812270149	50-334 Q	BURSTEIN, S.	7811140102	50-302 A	CAPHTON, D. L.	7811140043	50-311
BRUNNER, E. J.	7812270417	50-272 Q	BURSTEIN, S.	7811140108*	50-302 A	CAPHTON, D. L.	7812080083*	50-334
BRUNNER, E. J.	7812270446	50-220 Q	BURSTEIN, S.	7811140171	50-302 B	CAPHTON, D. L.	7812290044*	50-311
BRUNNER, E. J.	7812280009	50-272 Q	BURSTEIN, S.	7811140173*	50-302 B	CAPLAN, R.	7811210467	50-485
BRUNNER, E. J.	7812290028	50-317 Q	BURSTEIN, S.	7811130203	50-266 P	CAPRA, R.	7811070053	50-466
BRUNNER, E. J.	7812290042	50-311 Q	BURSTEIN, S.	7811150167	50-266 F	CARBON, M.	7811100031	50-280
BRUNNER, E. J.	7812210008	50-277 Q	BURSTEIN, S.	7811140124	50-266 P	CARDONNE, A. T.	7810130219*	50-400
BRUNNER, E. J.	7812070284	50-219 Q	BURSTEIN, S.	7811140174	50-266 R	CARLSON, D. M.	7810240033*	50-315
BRUNNER, E. J.	7811290328	50-336 Q	BURSTEIN, S.	7811280240	50-302 B	CARLSON, R. T.	7812130102*	50-352
BRUNNER, E. J.	7812010090	50-309 Q	BURSTEIN, S.	7812010225	50-266 P	CARLSON, R. T.	7811080192*	50-363
BRUNNER, E. J.	7812010130	50-219 Q	BURSTEIN, S.	7812110189	50-266 S	CARLSON, R. T.	7811080196*	50-363
BRUNNER, E. J.	7812060180	50-20 Q	BURSTEIN, S.	7811280229	50-266 P	CARLSON, R. T.	7810250194*	50-387
BRUNNER, E. J.	7812200116	50-219 P	BURSTEIN, S.	7811300179	50-502 A	CARLSON, R. T.	7811140243*	50-322
BRUNNER, E. J.	7812290057	50-336 Q	BURSTEIN, S.	7812050188	50-301 P	CARLSON, R. T.	7811140239*	50-322
BRYANT, J. C.	7810110303*	50-566 Q	BURSTEIN, S.	7812270187	50-502 C	CARLSON, R. T.	7811140278*	50-311
BRYANT, J. C.	7810110194*	50-438 Q	BURSTEIN, S.	7812270158*	50-502 C	CARLSON, R. T.	7810250258	50-354
BRYANT, J. C.	7810250091*	50-424 Q	BURSTEIN, S.	7812110110	50-302 A	CARLSON, R. T.	7810270284	50-311
BRYANT, J. C.	7810310082*	50-339 Q	BURSTEIN, S.	7812120085	50-266 R	CARLSON, R. T.	7810270391	50-363
BRYANT, J. C.	7811090269*	50-332 Q	BURSTEIN, S.	7812150305	50-302 A	CARLSON, R. T.	7811140277*	50-311
BRYANT, J. C.	7812050150*	50-327 Q	BURSTEIN, S.	7812260169	50-266 F	CARLSON, R. T.	7810250133	50-412
BRYANT, J. C.	7811090238*	50-395 Q	BURT, L.	7812010044*	50-471 Q	CARLSON, R. T.	7810300117	50-334
BRYANT, J. C.	7812060035*	50-395 Q	BURTON, P.	7810230042*	50-275 A	CARLSON, J. T.	7811100095	50-443
BRYANT, J. C.	7812010040*	50-566 Q	BURWELL, S. B.	7810120108	50-549 A	CARLSON, R. T.	7811130138	50-387

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CARLSON, J. D.	7811130231*	50-344 Q	CARTWRIGHT, W. R.	7812040211*	50-338 S	CHILK, S. J.	7812270430*
CARLSON, R. T.	7811130280	50-334 Q	CARTWRIGHT, W. R.	7812040213*	50-338 S	CHILK, S. J.	7812290308
CARLSON, R. T.	7810250255	50-334 S	CARTWRIGHT, W. R.	7812040215*	50-338 S	CHILK, S. J.	7812290359
CARLSON, R. T.	7811170295	50-311 Q	CARTWRIGHT, W. R.	7812040217*	50-338 S	CHILK, S. J.	7812040177
CARLSON, R. T.	7810250186	50-387 Q	CARTWRIGHT, W. R.	7812010265*	50-338 R	CHILK, S. J.	7812040033
CARLSON, R. T.	7811300383	50-410 Q	CARTWRIGHT, W. R.	7812050226*	50-338 S	CHILK, S. J.	7812070261
CARLSON, R. T.	7811080175	50-363 Q	CARTWRIGHT, W. R.	7812070190*	50-338 S	CHILK, S. J.	7812130117
CARLSON, R. T.	7811070373	50-412 S	CARTWRIGHT, W. R.	7812070195*	50-338 S	CHILK, S. J.	7812260011
CARLSON, R. T.	7811300345	50-412 Q	CARTWRIGHT, W. R.	7812110192*	50-338 S	CHIS, J.	7812270073
CARLSON, R. T.	7812120022	50-322 Q	CARTWRIGHT, W. R.	7812110208*	50-338 S	CHON, W. Y.	7810300107
CARLSON, R. T.	7812120241	50-363 Q	CARTWRIGHT, W. R.	7812110196*	50-338 S	CHODLES, N. C.	7810110189*
CARLSON, R. T.	7812010108	50-29 Q	CARTWRIGHT, W. R.	7812200239*	50-338 S	CHODLES, N. C.	781210436*
CARLSON, L. R.	7810300136	50-263 I	CARTWRIGHT, W. R.	7812270238*	50-338 S	CHODLES, N. C.	7812060128*
CARLSON, R. T.	7811130069	50-387 S	CASE, E. O.	7811300102*	50-338 A	CHODLES, N. C.	7812290032*
CARLSON, R. T.	7812060344	50-271 Q	CASE, C. P.	7812140331*	50-437 H	CHOW, E. T.	7812140147*
CARLSON, J. D.	7812130350*	50-187 Q	CASE, E. O.	7812070094	50-334 Q	CHRISTMAN, J. N.	7811070367
CARLSON, J. D.	7812070045*	50-106 Q	CASEY, O. E.	7812210077*	50-245 P	CHRISTOFFERSON, N.	7811300268*
CARLSON, R. T.	7811150172	50-322 S	CASEY, S. B.	7811060050	50-361 Q	CHRISTOFFER, O. H.	7811090044*
CARLSON, R. T.	7811140229	50-382 Q	CASEY, S. B.	7812130093	50-206 H	CHRISTIE, A. H.	7812200247*
CARLSON, R. T.	7811140271	50-311 Q	CASSAN, V. J.	7810300275	50-333 Q	CHRISTMAN, J. N.	7812080171
CARLSON, R. T.	7812180078	50-20 Q	CAVANAUGH, W.	7810100081	50-313 P	CHRISTMAN, J. N.	7812280259
CARLSON, R. T.	7811280454	50-412 S	CAVANAUGH, W.	7810180117	50-368 P	CHURCHILL, B. W.	7811070322
CARLSON, R. T.	7812280313	50-318 Q	CAVANAUGH, W.	7811160062	50-313 P	CHURCHILL, B. W.	7812130084*
CARLSON, R. T.	7812270453	50-333 Q	CAVANAUGH, W.	7811170227	50-313 Q	CHURCHILL, B. W.	7812280345
CARLSON, R. T.	7811290337	50-443 S	CAVANAUGH, W.	7811160121	50-368 P	CHURCHILL, B. W.	7812290100
CARLSON, R. T.	7812290211	50-334 Q	CAVANAUGH, W.	7811220190	50-368 P	CHURCHILL, B. W.	7812290105*
CARLSON, R. T.	7812290249	50-485 Q	CERNE, A. C.	7812290238*	50-387 Q	CHURCHILL, B. W.	7812270452
CARLSON, R. T.	7812290234	50-387 Q	CHADWELL, L. H.	7810230202*	50-315 S	CIEBZKIDIC12, B.	7810270305*
CARLSON, R. T.	7812080220	50-423 S	CHADWELL, L. H.	7811210278*	50-315 S	CIEBZKIDIC2, B.	7811240211*
CARLSON, D. H.	7811300117*	50-255 Q	CHALLER, D. V.	7811090225	50-315 S	CLARE, G. H.	7810170259*
CARLSON, R. T.	7812070110	50-322 S	CHALMERS, W. J.	7811140149	50-187 H	CLARK, J. R.	7811100125
CARLSON, J. D.	7812270382*	50-397 Q	CHAN, J.	7812270302*	50-237 S	CLARK, R. H.	7810200120
CARLSON, R. T.	7812180153	50-363 Q	CHAN, J.	7812270289*	50-249 S	CLARK, D.	7810170180*
CARLSON, J. C.	7812270436*	50-243 Q	CHANANIA, F. D.	7811080333*	50-389 H	CLARK, A. D.	7810230245*
CARLSON, R. T.	7812290039	50-352 S	CHANANIA, F. D.	7810300083	50-395 H	CLARK, J. R.	7811170233
CARLSON, R. T.	7812290254	50-322 Q	CHANANIA, F. D.	7810310327	50-395 H	CLARK, D. D.	7812050270*
CARLSON, R. T.	7812270449	50-322 Q	CHANANIA, F. D.	7811080243	50-389 H	CLARK, R. H.	7811200050
CARLSON, R. T.	7812280210	50-311 Q	CHANANIA, F. D.	7812080226	50-389 H	CLARK, A. Y.	7811280411
CARLTON, R. T.	7810250190*	50-387 Q	CHANDLER, L. J.	7810140106	50-320 Q	CLARK, R.	781208363
CARROLL, J. T.	7810140116	50-484 A	CHANDLER, L. J.	7810300223	50-70 Q	CLARK, R. A.	7812040225*
CARROLL, J. T.	7810110174*	50-317 B	CHANDLER, L. J.	7811030219	50-361 Q	CLARK, L.	7812060185*
CARROLL, J. T.	7811080100	50-219 B	CHANDLER, L. J.	7812040264	50-320 Q	CLARK, D.	7812110178*
CARROLL, J. T.	7810310216*	50-318 B	CHANDLER, L. J.	7812130375	50-360 Q	CLARK, R. H.	7812180410
CARROLL, J. T.	7811060133	50-318 B	CHANDLER, L. J.	7812130088	50-320 Q	CLARK, R. H.	7812180412
CARROLL, J. T.	7811060161*	50-318 B	CHANDLER, L. J.	7812270030	50-320 Q	CLARK, L.	7812080093
CARROLL, J. T.	7811170187*	50-318 B	CHANDLER, L. J.	7812180307	50-320 Q	CLARK, R. H.	7812280177
CARROLL, J. T.	7812110093	50-219 B	CHANDLER, L. J.	7812270360	50-320 Q	CLARK, R. J.	7812120205
CARROLL, J. T.	7812280231	50-219 B	CHANDLER, L. J.	7812280314	50-320 Q	CLAY, E. J.	7812140058*
CARROLL, J. T.	7812290089	50-219 B	CHARNOFF, Q.	7810190230	50-483 Q	CLAYTON, F. L.	7810130068
CARROLL, J. T.	7812130174*	50-318 B	CHARNOFF, Q.	7810240227	50-483 Q	CLAYTON, F. L.	7810100066
CARROLL, J. T.	7812130187*	50-318 B	CHARNOFF, Q.	7811270050*	50-483 Q	CLAYTON, F. L.	7810100085
CARROLL, J. T.	7812130194*	50-317 B	CHARNOFF, Q.	7812280109	50-502 Q	CLAYTON, F. L.	7810110102
CARROLL, J. T.	7812280261	50-317 B	CHARNOFF, Q.	7812130057	50-483 Q	CLAYTON, F. L.	7810180097
CARROLL, J. T.	7812260248*	50-318 B	CHASTB, S.	7812260002	50-247 Q	CLAYTON, F. L.	7810180145
CARROLL, J. T.	7812260236	50-219 B	CHEATUM, E. L.	7812110266	50-466 Q	CLAYTON, F. L.	7810290229
CARTER, R. S.	7812060286*	50-184 Q	CHENQ, T. M.	7812260045	50-155 P	CLAYTON, F. L.	7810250238
CARTER, R. S.	7811210320	50-184 Q	CHERRY, M. M.	7810260126	50-329 Q	CLAYTON, F. L.	7810702282
CARTWRIGHT, W. R.	7810130143*	50-338 S	CHERRY, M. M.	7810260172*	50-329 Q	CLAYTON, F. L.	7810180075
CARTWRIGHT, W. R.	7810130148*	50-338 S	CHERRY, M. M.	7812280340*	50-329 Q	CLAYTON, F. L.	7810180151
CARTWRIGHT, W. R.	7810230291*	50-338 S	CHIANG, N. J.	7812070187	50-400 S	CLAYTON, F. L.	7810200077
CARTWRIGHT, W. R.	7810230260*	50-338 S	CHILDS, W. V.	7810100026*	50-333 S	CLAYTON, F. L.	7810250141
CARTWRIGHT, W. R.	7810260128*	50-338 S	CHILDS, W. V.	7810120046*	50-333 S	CLAYTON, F. L.	7810250112
CARTWRIGHT, W. R.	7810260129*	50-338 S	CHILDS, W. V.	7810120079*	50-333 S	CLAYTON, F. L.	7810231070
CARTWRIGHT, W. R.	7810260130*	50-338 S	CHILDS, W. V.	7810230189*	50-333 S	CLAYTON, F. L.	7810310121
CARTWRIGHT, W. R.	7810260131*	50-338 S	CHILDS, W. V.	7810230265*	50-333 S	CLAYTON, F. L.	7811080159
CARTWRIGHT, W. R.	7810260132*	50-338 S	CHILDS, W. V.	7810230310*	50-333 S	CLAYTON, F. L.	7811130226
CARTWRIGHT, W. R.	7810260133*	50-338 S	CHILDS, W. V.	7810240139*	50-333 S	CLAYTON, F. L.	7811080140
CARTWRIGHT, W. R.	7810260135*	50-338 S	CHILDS, W. V.	7811070323*	50-333 S	CLAYTON, F. L.	7811170038
CARTWRIGHT, W. R.	7811280326*	50-338 S	CHILDS, W. V.	7811140248*	50-333 S	CLAYTON, F. L.	7812050010*
CARTWRIGHT, W. R.	7810260164*	50-338 S	CHILDS, W. V.	7811210422*	50-333 S	CLAYTON, F. L.	7811090183
CARTWRIGHT, W. R.	78102310242*	50-338 S	CHILDS, W. V.	7812040159*	50-333 S	CLAYTON, F. L.	7811140085
CARTWRIGHT, W. R.	78102310252*	50-338 S	CHILDS, W. V.	7812070178*	50-333 S	CLAYTON, F. L.	7811140152
CARTWRIGHT, W. R.	7811060237*	50-338 S	CHILDS, W. V.	7812220100*	50-333 S	CLAYTON, F. L.	7811140225
CARTWRIGHT, W. R.	7811060240*	50-338 S	CHILDS, W. V.	7812270250*	50-333 S	CLAYTON, F. L.	7811140111
CARTWRIGHT, W. R.	7811060242*	50-338 S	CHILES, L.	7812080211*	50-302 U	CLAYTON, F. L.	7811210355
CARTWRIGHT, W. R.	7811060245*	50-338 S	CHILK, S. J.	7810230026	50-70 Q	CLAYTON, F. L.	7811210176
CARTWRIGHT, W. R.	7811070261*	50-338 S	CHILK, S. J.	7810230152	50-331 S	CLAYTON, F. L.	7811270176
CARTWRIGHT, W. R.	7811170184*	50-338 S	CHILK, S. J.	7810300277*	50-389 S	CLAYTON, F. L.	7811210258
CARTWRIGHT, W. R.	7811170189*	50-338 S	CHILK, S. J.	7810230315	50-338 Q	CLAYTON, F. L.	7811280283
CARTWRIGHT, W. R.	7811210294*	50-338 S	CHILK, S. J.	7810260201	50-247 Q	CLAYTON, F. L.	7811280336
CARTWRIGHT, W. R.	7811210315*	50-338 S	CHILK, S. J.	7811010118	50-389 Q	CLAYTON, F. L.	7811280258
CARTWRIGHT, W. R.	7811280325*	50-338 S	CHILK, S. J.	7811070040	50-437 Q	CLAYTON, F. L.	7811280267
CARTWRIGHT, W. R.	7811280330*	50-338 S	CHILK, S. J.	7811150252	50-329 Q	CLAYTON, F. L.	7812010283
CARTWRIGHT, W. R.	7811280330*	50-338 S	CHILK, S. J.	7811290184	50-247 Q	CLAYTON, F. L.	7812050159
CARTWRIGHT, W. R.	7811280321*	50-338 S	CHILK, S. J.	7812010154	50-247 Q	CLAYTON, F. L.	7812110134

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CLAYTON, F. L.	7812270169	50-348 F	CONNOLLEY, J.	7810110117*	50-285 S	COOPER, J.	7812200181*	50-302
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CLAYTON, F. L.	7812270127	50-348 P	CONNOLLEY, J.	7812270217*	50-285 S	COOPER, J.	7812270243*	50-302
CLAYTON, F. L.	7812270278	50-348 S	CONNOLLEY, J.	7812270224*	50-285 S	COOPER, J.	7812270293*	50-302
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CLEBSCH, A.	7811090063	50-274 P	CONRAN, J. H.	7811130334	50-584 A	COPELAND, J. O.	7810110294	50-466
CLEBSCH, A.	7812200028	50-274 H	CONRAD, V. L.	7811130135	50-556 S	COPELAND, J. O.	7810140159	50-466
CLEMONS, P. E.	7811130049*	50-220 Q	CONRAD, V. L.	7812050285*	50-556 Q	COPELAND, J. O.	7810130091	50-466
CLEBSZKIEWICZ, S.	7812180220*	50-237 S	CONRAD, V. L.	7812130138	50-556 A	COPELAND, R. L.	7810170134	50-537
CLEVELAND, J. H.	7811080000*	50-275 A	CONRAD, V. L.	7812290231	50-556 A	COPELAND, J. O.	7811080054	50-466
CLEVELAND, J. H.	7811200384*	50-275 A	CONTE, R. J.	7811290389*	50-272 Q	COPELAND, J. O.	7812050037	50-466
CLOUD, J. D.	7812010153	50-546 A	CONTE, R. J.	7812110301*	50-336 Q	COPELAND, R. L.	7812110014	50-537
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COCHRAN, B. J.	7811300339*	50-370 Q	CONWAY, W. F.	7812180173	50-271 S	COPELAND, J. O.	7812110236	50-466
COCHRAN, B. J.	7811220284*	50-395 Q	CONWAY, W. F.	7812180176*	50-271 S	COPELAND, J. O.	7812040024	50-466
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COHEN, R. C.	7811020381	50-329 Q	CONWAY, W. F.	7812180199*	50-271 S	COPELAND, J. O.	7812120224	50-466
COHN, D. B.	7811270009	50-483 Q	CONWAY, W. F.	7812180213	50-271 S	COPELAND, J. O.	7812040331	50-466
COHN, D. B.	7812180077	50-483 Q	CONWAY, W. F.	7812180216*	50-271 S	COPELAND, J. O.	7812050046	50-466
COLBERT, W. F.	7811090172*	50-341 S	CONWAY, W. F.	7812180190	50-271 S	COPELAND, R. L.	7812050276	50-537
COLEMAN, W. E.	7812070295*	50-219 Q	CONWAY, W. F.	7812180194*	50-271 S	COPELAND, J. O.	7812130026	50-466
COLEMAN, W. E.	7812010282*	50-320 Q	CONWAY, W. F.	7812180237	50-271 S	COPELAND, J. O.	7812120219	50-466
COLLINS, W. H.	7811280494*	50-331 P	CONWAY, W. F.	7812180241*	50-271 S	COPELAND, J. O.	7812130020	50-466
COLLINS, P. F.	7810180173	50-344 V	CONWAY, W. F.	7810310244	50-271 S	COPELAND, R. L.	7812200243	50-537
COLLINS, P. F.	7810140099	50-309 H	CONWAY, W. F.	7810310248*	50-271 S	CORDARD, W. H.	7812210006	50-305
COLLINS, P. F.	7810170281	50-387 A	CONWAY, W. F.	7811160102	50-271 S	CORE, M.	7812200267	50-283
COLLINS, P. F.	7810190130	50-266 P	CONWAY, W. F.	7811160103*	50-271 S	CORE, M.	7812200231*	50-283
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COLLINS, P. F.	7810230300	50-382 A	CONWAY, W. F.	7811160130*	50-271 S	CORKIN, C.	7810310281*	50-568
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COLLINS, P. F.	7810130132	50-206 V	COOK, K. W.	7812110274*	50-277 P	COSTLE, D. M.	7810140048*	50-213
COLLINS, D. M.	7812280348*	50-250 Q	COOK, K. W.	7812110277*	50-277 P	COSTLE, D. M.	7812060157*	50-437
COLLINS, P. F.	7810170110	50-261 V	COOK, R. J.	7812060070*	50-329 Q	COTA, P. C.	7811170048	50-341
COLLINS, P. F.	7810180170	50-261 V	COOK, R. J.	7812140139*	50-329 Q	COTE, F. M.	7811150127	50-592
COLLINS, P. F.	7812050317	50-502 B	COOKE, H. D.	7810120038	50-97 P	COTE, F. M.	7811120336	50-341
COLLINS, P. F.	7812130069	50-369 F	COOKE, T. C.	7812260188	50-329 A	COTNER, M. L.	7812140168	50-361
COLLINS, P. F.	7812210023	50-413 A	COONEY, M. J.	7810100082	50-277 S	COTTLE, W. T.	7810230072*	50-335
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COLOMBO, R. H.	7810100069*	50-312 S	COONEY, M. J.	7810130155	50-277 S	COUGHLIN, J.	7810300365	50-546
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COLOMBO, R. H.	7810101026*	50-312 R	COONEY, M. J.	7810230164	50-277 R	COUGHLIN, J.	7812130128	50-546
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COLOMBO, R. H.	7810170201*	50-312 S	COONEY, M. J.	7810270270*	50-278 S	COUNCIL, W. O.	7810110140	50-245
COLOMBO, R. H.	7810200106*	50-312 S	COONEY, M. J.	7810240164*	50-277 S	COUNCIL, W. O.	7810110174	50-245
COLOMBO, R. H.	7810230285*	50-312 S	COONEY, M. J.	7811090137	50-277 S	COUNCIL, W. O.	7810260182	50-213
COLOMBO, R. H.	7811160078*	50-312 R	COONEY, M. J.	7811090141*	50-277 S	COUNCIL, W. O.	7810130138	50-245
COLOMBO, R. H.	7811140236*	50-312 S	COONEY, M. J.	7811090146*	50-277 S	COUNCIL, W. O.	7810170140	50-245
COLOMBO, R. H.	7812200197*	50-312 R	COONEY, M. J.	7811090152*	50-277 S	COUNCIL, W. O.	7810170210	50-336
COLOMBO, R. H.	7810110173*	50-312 S	COONEY, M. J.	7811160093	50-277 S	COUNCIL, W. O.	7810200060	50-336
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COLWELL, J. H.	7812210209*	50-275 A	COONEY, M. J.	7811160084	50-277 R	COUNCIL, W. O.	7810260171	50-213
COLWELL, J. H.	7812210225*	50-275 A	COONEY, M. J.	7811280225	50-277 S	COUNCIL, W. O.	7810270203	50-245
COMPTON, R. M.	7810250091*	50-424 Q	COONEY, M. J.	7811280227	50-278 S	COUNCIL, W. O.	7810310073	50-245
COMPTON, R. M.	7812060291*	50-327 Q	COONEY, M. J.	7811280230*	50-278 S	COUNCIL, W. O.	7811210178	50-496
COMPTON, R. H.	7812130040*	50-327 Q	COONEY, M. J.	7812070210	50-277 S	COUNCIL, W. O.	7810310077	50-336
CONLON, T. E.	7810240210*	50-390 Q	COONEY, M. J.	7812070213*	50-277 S	COUNCIL, W. O.	7811030097	50-213
CONLON, T. E.	7810130101*	50-413 Q	COONEY, M. J.	7812070173	50-277 S	COUNCIL, W. O.	7811070196	50-336
CONLON, T. E.	7811080198*	50-395 Q	COONEY, M. J.	7812130162	50-277 S	COUNCIL, W. O.	7811160152	50-245
CONLON, T. E.	7811130067*	50-395 Q	COONEY, M. J.	7812130130	50-277 S	COUNCIL, W. O.	7811090132	50-423
CONLON, T. E.	7811200034*	50-324 Q	COONEY, M. J.	7812220063	50-277 R	COUNCIL, W. O.	7811130193	50-213
CONLON, T. E.	7812040068*	50-390 Q	COONEY, M. J.	7812210165	50-278 S	COUNCIL, W. O.	7811140155	50-213
CONLON, T. E.	7811240033*	50-250 Q	COONEY, M. J.	7812290198	50-278 S	COUNCIL, W. O.	7811170217	50-213
CONLON, T. E.	7811020360*	50-364 Q	COOPER, J.	7810200158*	50-302 S	COUNCIL, W. O.	7811290332*	50-336
CONLON, T. E.	7812050172*	50-276 Q	COOPER, J.	7810110152*	50-302 S	COUNCIL, W. O.	7811170208	50-213
CONLON, T. E.	7812070320*	50-269 Q	COOPER, J.	7810110120*	50-302 S	COUNCIL, W. O.	7812120232	50-336
CONLON, T. E.	7812270128*	50-327 Q	COOPER, W. P.	7810180111*	50-302 S	COUNCIL, W. O.	7812210056*	50-245
CONNER, T. B.	7810270313	50-395 Q	COOPER, J.	7810170232*	50-302 S	COUNCIL, W. O.	7811240187	50-245
CONNER, T. B.	7810310017	50-395 Q	COOPER, J.	7810180155*	50-302 S	COUNCIL, W. O.	7811170210	50-336
CONNER, T. B.	7811030038	50-354 Q	COOPER, J.	7810180107*	50-302 S	COUNCIL, W. O.	7811270183	50-213
CONNER, T. B.	7811290066	50-395 Q	COOPER, J.	7810240124*	50-302 S	COUNCIL, W. O.	7812070184	50-245
CONNER, T. B.	7811220159	50-510 Q	COOPER, J.	7810240162*	50-302 S	COUNCIL, W. O.	7812290061*	50-336
CONNER, E. L.	7811290209	50-336 P	COOPER, J.	7810310141*	50-302 S	COUNCIL, W. O.	7812080121	50-245
CONNER, T. B.	7812130025	50-395 Q	COOPER, J.	7810310169*	50-302 S	COUNCIL, W. O.	7812210101	50-213
CONNER, T. B.	7812130299	50-398 Q	COOPER, J.	7811070235*	50-302 S	COUNCIL, W. O.	7812260012	50-245
CONNER, E. L.	7812180265	50-317 F	COOPER, J.	7811160140*	50-302 S	COUNCIL, W. O.	7812180147	50-245

AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY
COUNBIL, W. O.	7812190083	50-245 P	CREWS, E. H.	7811220184	50-395 A	CUTCHIN, J. M.	7811150018	50-443 M
COUNBIL, W. O.	7812260168	50-496 A	CREWS, J. L.	7812130301	50-275 Q	CUTCHIN, J. M.	7811150040	50-368 Q
COUNBIL, W. O.	7812260187	50-336 P	CREWS, J. L.	7812270432	50-243 Q	CUTCHIN, J. M.	7811280415	50-443 Q
COUNBIL, W. O.	7812260137	50-336 Q	CREWS, J. L.	7812270450	50-133 Q	CUTCHIN, J. M.	7811290004	50-387 Q
COWAN, F. P.	7810270345*	50-344 Q	CREWS, J. L.	7812290355	50-344 Q	CUTCHIN, J. M.	7812900108	50-387 Q
COWAN, B. Z.	7810160112	50-437 Q	CREWS, E. H.	7812130364	50-395 Q	CYR, K. D.	7812130036	50-556 Q
COWAN, F. P.	7810160221	50-344 Q	CREWS, J. L.	7812270377	50-397 Q	DAIL, L. C.	7810260081	50-413 Q
COWAN, F. P.	7810230109	50-344 Q	CREWS, E. H.	7812050231	50-395 F	DAIL, L. C.	7812040277	50-413 Q
COWAN, B. Z.	7810230383	50-437 Q	CREWS, J. L.	7812070126	50-344 Q	DAIL, L. C.	7810300330*	50-408 Q
COWAN, B. Z.	7811150257	50-437 Q	CREWS, J. L.	7812130331	50-187 Q	DAIL, L. C.	7810130096	50-413 Q
COX, E. L.	7810180146	50-556 B	CREWS, E. H.	7812120200	50-395 R	DAIL, L. C.	7810230214	50-413 Q
COX, E. L.	7810310051	50-556 B	CREWS, E. H.	7812120156	50-395 A	DAIL, L. C.	7810250217	50-413 Q
COX, T. H.	7810110209	50-566 A	CRINIGAN, P. T.	7810130176*	50-317 B	DAIL, L. C.	7811290237	50-413 Q
COX, T. H.	7810190067	50-566 A	CRINIGAN, P. T.	7811030117*	50-317 B	DAIL, L. C.	7812010143	50-488 Q
COX, T. H.	7812130044*	50-566 Q	CROCKER, L. P.	7810240017*	50-329 A	DAIL, L. C.	7812130287	50-491 Q
COZENS, Q.	7811020251*	50-187 P	CROCKER, H. W.	7811100165*	50-286 Q	DAIL, L. C.	7812200312	50-488 Q
CRABTREE, R. A.	7810120066	50-309 J	CROCKER, H. W.	7812060300*	50-184 Q	DAIL, L. C.	7812210035	50-413 Q
CRABTREE, R. A.	7810230137	50-309 J	CROCKER, H. W.	7812010089*	50-286 Q	DAIL, L. C.	7812210059	50-413 Q
CRASHILL, W. J.	7812190075	50-247 P	CROCKER, H. W.	7811020183*	50-271 Q	DAILEY, E. H.	7811160126	50-568 Q
CRANDALL, W. E.	7811020248	50-187 P	CROCKER, H. W.	7811020179*	50-271 Q	DAIVS, C. L.	7811300013*	50-333 Q
CRANDALL, W. E.	7812130342*	50-187 Q	CROCKER, H. W.	7810250136*	50-286 Q	DALTON, A.	7810300211	50-556 Q
CRANE, P. A.	7812060276	50-133 P	CROCKER, H. W.	7811080260*	50-219 Q	DALTON, A. T.	7811290105	50-556 Q
CRANE, P. A.	7810140114	50-275 A	CROCKER, H. W.	7811070032*	50-317 Q	DALTON, A. T.	7812050052	50-556 Q
CRANE, P. A.	7810130058	50-275 A	CROCKER, H. W.	7811090034*	50-317 Q	DALTON, A. T.	7812130196	50-556 Q
CRANE, P. A.	7810190071	50-275 A	CROCKER, H. W.	7811140259*	50-3 Q	DALTON, A. T.	7812130341	50-556 Q
CRANE, P. A.	7810170179	50-275 A	CROCKER, H. W.	7811140256*	50-3 Q	DALTROFF, B. L.	7810100089*	50-277 Q
CRANE, P. A.	7810310226	50-275 A	CROCKER, H. W.	7811300246*	50-334 Q	DALTROFF, B. L.	7810110105	50-277 Q
CRANE, P. A.	7810170221	50-275 A	CROCKER, H. W.	7811150042*	50-220 Q	DALTROFF, B. L.	7812010012*	50-277 Q
CRANE, E.	7810300074	50-466 A	CROCKETT, J. D.	7811080146*	50-336 S	DALTROFF, B. L.	7811300217	50-277 Q
CRANE, P. A.	7810170203	50-275 A	CROCKETT, J.	7811080161*	50-336 S	DALTROFF, B. L.	7812180221	50-277 Q
CRANE, P. A.	7810160118	50-275 A	CROCKET, L. P.	7812130044*	50-566 Q	DALTROFF, B. L.	7812260192	50-277 Q
CRANE, P. A.	7810170229	50-275 A	CROCKETT, J.	7812030161*	50-336 S	DAMBLV, D. C.	7812270149	50-556 Q
CRANE, P. A.	7810180028	50-133 B	CROCKETT, J.	7812120129*	50-336 B	DANCE, H. C.	7810110302*	50-324 Q
CRANE, P. A.	7810240113*	50-133 P	CROCKET, L. P.	7812200296	50-280 Q	DANCE, H. C.	7810250154*	50-302 Q
CRANE, P. A.	7810300350	50-275 Q	CROCKER, L. P.	7812210167	50-500 A	DANCE, H. C.	7811100030*	50-302 Q
CRANE, P. A.	7811080257	50-275 A	CROSBMAN, W. A.	7810250015*	50-445 Q	DANCE, H. C.	7811220256*	50-261 Q
CRANE, P. A.	7810100039	50-275 Q	CROSBMAN, W. A.	7810240236*	50-498 Q	DANCE, H. C.	7811280012*	50-321 Q
CRANE, P. A.	7810240111	50-133 P	CROSBMAN, W. A.	7811030040*	50-466 Q	DANCE, H. C.	7812050076*	50-302 Q
CRANE, P. A.	7811080040	50-275 A	CROSBMAN, W. A.	7811060103*	50-382 Q	DANCE, H. C.	7812060350*	50-321 Q
CRANE, P. A.	7811280488	50-275 Q	CROSBMAN, W. A.	7811070308*	50-445 Q	DANCE, H. C.	7812150063*	50-261 Q
CRANE, P. A.	7811070111	50-275 Q	CROSBMAN, W. A.	7811280054*	50-556 Q	DANCE, H. C.	7812180325*	50-259 Q
CRANE, P. A.	7811070271	50-275 A	CROSBMAN, W. A.	7812210179*	50-445 Q	DANCE, H. C.	7812180345*	50-324 Q
CRANE, P. A.	7811140126	50-275 K	CROWLEY, B. R.	7810240210*	50-390 Q	DANCE, H. C.	7812280294*	50-321 Q
CRANE, P. A.	7811210164	50-275 F	CROWLEY, B. R.	7811130067*	50-395 Q	DANCE, H. C.	7812200161*	50-13 Q
CRANE, P. A.	7811220181	50-275 A	CROWLEY, B. R.	7812040068*	50-390 Q	DANIELSON, D. H.	7810190029*	50-305 Q
CRANE, P. A.	7812050155	50-275 E	CROWLEY, B. R.	7812180353*	50-416 Q	DANIELSON, D. H.	7811010059*	50-373 Q
CRANE, P. A.	7812140085	50-275 Q	CROWLEY, B.	7812280315*	50-395 Q	DANIELSON, D. H.	7811090007*	50-341 Q
CRANE, P. A.	7812210229	50-275 A	CULP, R. H.	7811080054	50-466 Q	DANIELSON, D. H.	7811130350*	50-329 Q
CRANE, P. A.	7812210197	50-275 A	CULP, R. H.	7812040024	50-466 Q	DANIELSON, D. H.	7811020111*	50-315 Q
CRANE, P. A.	7812210223	50-275 A	CULP, R. H.	7812040331	50-466 Q	DANIELSON, D. H.	7811140269*	50-341 Q
CRANE, P. A.	7812130002	50-133 J	CULP, R. H.	7812050046	50-466 Q	DANIELSON, D. H.	7811140054*	50-329 Q
CRANE, P. A.	7812120161	50-275 A	CULP, R. H.	7812130020	50-466 Q	DANIELSON, D. H.	7811150088*	50-331 Q
CRANE, P. A.	7812210193	50-275 A	CULP, R. H.	7812130026	50-466 Q	DANIELSON, D. H.	7812140028*	50-329 Q
CRANE, P. A.	7812190143	50-275 A	CULP, R. H.	7812130219	50-466 Q	DANIELSON, D. H.	7812060178*	50-266 Q
CRANE, P. A.	7812260217	50-275 A	CUNNINGHAM, A. L.	7811080191*	50-327 Q	DANIELSON, D. H.	7812080057*	50-358 Q
CREED, J. R.	7812060391*	50-315 Q	CUNNINGHAM, A. L.	7811130393*	50-364 Q	DANIELSON, D. H.	7812140066*	50-331 Q
CREWELL, J. B.	7811290326*	50-320 Q	CUNNINGHAM, A. L.	7812050249*	50-250 Q	DANIELSON, D. H.	7812270156*	50-341 Q
CREWS, J. L.	7810240092	50-133 Q	CUNNINGHAM, Q. E.	7811070115	50-70 P	DANIELSON, D. H.	7812200308*	50-374 Q
CREWS, J. L.	7810240094*	50-133 Q	CUNNINGHAM, Q. H.	7811200423	50-295 Q	DANIELSON, D. H.	7812210131*	50-266 Q
CREWS, J. L.	7810230090	50-70 Q	CUPP, E. A.	7812180331*	50-267 Q	DANIELSON, D. H.	7812270078*	50-409 Q
CREWS, J. L.	7810230092*	50-70 Q	CUPP, E. A.	7812210184*	50-298 Q	DARBY, C. B.	7812040072	50-397 Q
CREWS, J. L.	7811130227	50-344 Q	CURRAN, J. M.	7810130159	50-206 R	DARBY, C. B.	7812040084*	50-397 Q
CREWSE, R. O.	7810260147	50-320 P	CURRAN, J. M.	7812150280	50-206 B	DARMITZEL, R. W.	7812180435	50-30 Q
CREWS, E. H.	7810120137	50-395 A	CURRAN, J. M.	7811140181*	50-206 B	DARMITZEL, R. W.	7812180401*	50-70 Q
CREWS, E. H.	7810170105	50-395 A	CURRAN, J. M.	7811160080	50-206 R	DARMITZEL, R. W.	7810110165	50-70 Q
CREWS, E. H.	7810230161	50-395 A	CURRAN, J. M.	7811280281*	50-206 S	DARMITZEL, R. W.	7811130177	50-18 Q
CREWS, J. L.	7811270111	50-344 Q	CURRAN, J. M.	7812190157	50-206 R	DARMITZEL, R. W.	7812080131	50-70 Q
CREWS, J. L.	7811220263	50-275 Q	CURTIS, J. R.	7810300020*	50-206 Q	DARMITZEL, R. W.	7812140121	50-70 Q
CREWS, E. H.	7810300217	50-395 A	CURTIS, N. W.	7810120069	50-387 B	DARMITZEL, D. W.	7812280275	50-70 Q
CREWS, E. H.	7810310083	50-395 A	CURTIS, N. W.	7810260033	50-387 Q	DATTILO, T. M.	7810230229	50-346 Q
CREWS, E. H.	7811010173	50-395 C	CURTIS, N. W.	7811130073*	50-387 B	DAUGHERTY, T. M.	7810160112	50-437 Q
CREWS, E. H.	7812070246*	50-361 Q	CURTIS, N. W.	7811170123	50-387 A	DAUGHERTY, T. M.	7811140131*	50-437 Q
CREWS, J. L.	7812130346*	50-187 Q	CURTIS, J. R.	7812150185*	50-206 Q	DAUGHERTY, T. M.	7812210451	50-437 Q
CREWS, J. L.	7812130347*	50-187 Q	CURTIS, N. W.	7811200190*	50-387 K	DAVENPORT, B. G.	7810110092*	50-287 Q
CREWS, E. H.	7811010120	50-395 K	CURTIS, N. W.	7811200165	50-387 B	DAVIDSON, J. A.	7812080142*	50-306 Q
CREWS, E. H.	7811010125*	50-395 K	CURTIS, E.	7812080028	50-367 Q	DAVIDSON, D. R.	7810110261*	50-440 Q
CREWS, J. L.	7812070041	50-106 Q	CURTIS, N. W.	7811200185	50-387 K	DAVIDSON, J. A.	7811140131*	50-266 Q
CREWS, J. L.	7812080237	50-326 Q	CURTIS, N. W.	7812120114	50-387 A	DAVIDSON, D. R.	7810100007	50-440 Q
CREWS, E. H.	7811070128	50-395 A	CURTIS, N. W.	7812050178	50-387 A	DAVIDSON, D. R.	7811270022	50-440 Q
CREWS, E. H.	7811210286	50-395 K	CURTIS, N. W.	7812120096	50-387 A	DAVIDSON, D. R.	7812070223	50-440 Q
CREWS, J. L.	7812070283	50-206 Q	CURTIS, N. W.	7812130118	50-387 C	DAVIS, D. L.	7811290026	50-556 Q
CREWS, E. H.	7811150181	50-395 F	CURTIS, N. W.	7812210168	50-387 A	DAVIS, D. K.	7812140038*	50-213 Q
CREWS, J. L.	7812140037	50-312 Q	CURTIS, N. W.	7812210173	50-387 A	DAVIS, D. K.	7812140311*	50-206 Q
CREWS, J. L.	7812130316	50-344 Q	CURTIS, N. W.	7812210177	50-387 A	DAVIS, A. B.	7810110052	50-10 Q
CREWS, J. L.	7812150001	50-275 Q	CUTCHIN, J. M.	7810140002	50-592 Q	DAVIS, A. B.	7810110263	50-346 Q

	7810260179	50-133	0	DAVIS, J. G.	7812280106	50-341	A	DENTON, H. R.	7811200044	50-70	Q
	7811170245*	50-324	0	DAVIS, J. G.	7812280107	50-220	P	DENTON, H. R.	7811030077	50-438	H
	7810300373	50-315	0	DAVIS, J. G.	7812280108	50-409	P	DENTON, H. R.	7811070059	50-368	A
	7810110248	50-336	0	DAVIS, J. G.	7812280110	50-367	P	DENTON, H. R.	7811080024	50-384	A
	7811300398	50-263	0	DAVIS, J. G.	7812280112	50-213	P	DENTON, H. R.	7811130341	50-580	H
	7812010065	50-305	0	DAVIS, J. G.	7812280113	50-368	A	DENTON, H. R.	7811160157	50-440	F
	7810130252	50-336	0	DAVIS, J. G.	7812280114	50-261	P	DENTON, H. R.	7811210250	50-591	A
	7811080077	50-234	0	DAVIS, J. G.	7812280117	50-29	P	DENTON, H. R.	7811220107	50-272	B
	7811090037	50-2	0	DAVIS, J. G.	7812280118	50-329	A	DENTON, H. R.	7811200089	50-70	A
	7810140165	50-336	0	DAVIS, J. G.	7812280119	50-305	P	DENTON, H. R.	7811220184	50-220	P
	7811090298	50-235	0	DAVIS, J. G.	7812280121	50-271	P	DENTON, H. R.	7811240117	50-70	H
	7811170316	50-6	0	DAVIS, J. G.	7812280123	50-440	A	DENTON, H. R.	7811280157	50-438	J
	7811140185	50-315	0	DAVIS, J. G.	7812280124	50-350	A	DENTON, H. R.	7811300406	50-382	A
	7810200018	50-346	0	DAVIS, J. G.	7812280126	50-3	P	DENTON, H. R.	7812060260	50-349	P
	7810200203	50-10	0	DAVIS, J. G.	7812280129	50-10	P	DENTON, H. R.	7812060396	50-267	A
	7810300068	50-206	P	DAVIS, J. G.	7812280131	50-280	P	DENTON, H. R.	7812130293	50-317	P
	7810270087	50-536	0	DAVIS, J. G.	7812280138	50-293	P	DENTON, H. R.	7812110087	50-280	P
	7811290358*	50-400	0	DAVIS, J. G.	7812280140	50-317	P	DENTON, H. R.	7812126014	50-424	A
	7811290366*	50-400	0	DAVIS, J. G.	7812280141	50-259	P	DENTON, H. R.	7812126017*	50-424	Q
	7810270240*	50-317	B	DAVIS, J. G.	7812280143	50-328	A	DENTON, H. R.	7812120018*	50-424	Q
	7810310105*	50-317	S	DAVIS, J. G.	7812280146	50-313	P	DENTON, H. R.	7812110292	50-267	P
	7810310200*	50-317	S	DAVIS, J. G.	7812280148	50-348	P	DENTON, H. R.	7812180398	50-387	A
	7811010041*	50-244	0	DAVIS, J. G.	7812280149	50-318	P	DENTON, H. R.	7812210326	50-346	H
	7811290393	50-123	0	DAVIS, J. G.	7812280150	50-483	A	DENTON, H. R.	7812180329	50-70	P
	7811300397	50-373	0	DAVIS, J. G.	7812280153	50-443	A	DENTON, H. R.	7812270003	50-220	P
	7812010284	50-409	0	DAVIS, J. G.	7812280154	50-346	P	DENTON, H. R.	7812280274	50-267	H
	7811130166	50-318	B	DAVIS, J. G.	7812280155	50-312	P	DENTON, H. R.	7812290240	50-272	P
	7811010036	50-244	0	DAVIS, J. G.	7812280156	50-245	P	DENTON, H. R.	7812290242	50-498	A
	7811080222	50-356	0	DAVIS, J. G.	7812280160	50-416	A	DESVLVA, D. P.	7811160001	50-463	F
	7811290327	50-346	0	DAVIS, J. G.	7812280161	50-289	H	DESVLVA, D. P.	7811080073	50-488	Q
	7811010116*	50-317	B	DAVIS, J. G.	7812280162	50-322	A	DEVINCENTIS, J.	7810110078	50-368	A
	7812000219*	50-13	0	DAVIS, J. G.	7812280163	50-382	P	DEVLIN, J. W.	7811010133*	50-443	Q
	7811160158	50-356	0	DAVIS, J. G.	7812280164	50-402	P	DEVLIN, J. W.	7812150240*	50-245	Q
	7811160159*	50-356	0	DAVIS, J. G.	7812280165	50-219	P	DEVLIN, J.	7812280309*	50-293	Q
	7812060293*	50-261	0	DAVIS, J. G.	7812280166	50-461	A	DEWEASE, J. Q.	7811020362	50-259	B
	7811130214*	50-318	B	DAVIS, J. G.	7812280167	50-331	P	DEWEASE, J. Q.	7810160109*	50-259	R
	7811140170*	50-318	B	DAVIS, J. G.	7812280168	50-466	A	DEWEASE, J. Q.	7810290033	50-260	B
	7811220014	50-356	0	DAVIS, J. G.	7812280169	50-458	A	DEWEASE, J. Q.	7810160106	50-259	R
	7811240018	50-356	0	DAVIS, J. G.	7812280170	50-521	P	DEWEASE, J. Q.	7810250083*	50-260	P
	7811200032	50-2	0	DAVIS, J. G.	7812280171	50-250	P	DEWEASE, J. Q.	7810170161*	50-259	R
	7812040186	50-356	0	DAVIS, J. G.	7812280172	50-302	P	DEWEASE, J. Q.	7811140137	50-259	R
	7812030035	50-356	0	DAVIS, J. G.	7812280173	50-269	P	DEWEASE, J. Q.	7812070264	50-260	B
	7812030038*	50-356	0	DAVIS, A. B.	7812140232	50-366	Q	DEWEASE, J. Q.	7812190161	50-259	R
	7812030061	50-356	0	DAVIS, D. K.	7812260051	50-298	P	DEWEASE, J. Q.	7812190162*	50-259	R
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ENGELKEN, R. H.	7811300072	50-344	Q	FEIST, C. K.	7812270259	50-445	K	FIORELLI, G.	7811200045	50-315
ENGELKEN, R. H.	7811300076	50-528	Q	FELDMANN, M. J.	7810350107	50-293	P	FIORELLI, G.	7812120216	50-331
ENGELKEN, R. H.	7811300082	50-397	Q	FELTON, J. M.	7810270199	50-330	A	FIORELLI, G.	7812200091	50-282
ENGELKEN, R. H.	7811330088	50-275	Q	FELTON, J. M.	7811010353	50-331	Q	FIORELLI, G.	7812140141	50-266
ENGELKEN, R. H.	7811300090	50-361	Q	FELTON, J. M.	7811010008	50-329	A	FIORELLI, G.	7812210046	50-282
ENGELKEN, R. H.	7811300092	50-312	Q	FELTON, J. M.	7811020236	50-245	Q	FIORELLI, G.	7812200105	50-263
ENGELKEN, R. H.	7811300097	50-206	Q	FELTON, J. M.	7810702888	50-243	P	FIORELLI, G.	7811280480	50-331
ENGELKEN, R. H.	7812110198	50-508	Q	FELTON, J. M.	7811210403	50-382	H	FIORELLI, G.	7812270062	50-346
ENGELDER, T. C.	7812200186	50-13	Q	FELTON, J. M.	7811220128	50-267	U	FIORELLI, G.	7812210041	50-358
ENGELKEN, R. H.	7812210110	50-528	B	FELTON, J. M.	7812060296	50-466	A	FIORELLI, G.	7812290068	50-266
ENGELKEN, R. H.	7812210261	50-361	B	FELTON, J. M.	7812070052	50-373	A	FIORELLI, G.	7812290009	50-305
ENGELKEN, R. H.	7812290030	50-133	Q	FELTON, J. M.	7812180321	50-267	P	FIORELLI, G.	7812290017	50-255
ENGELKEN, R. H.	7812290033	50-275	Q	FERGUSON, J. H.	7810250110*	50-213	B	FIORELLI, G.	7812290022	50-266
ENGELKEN, R. H.	7812290036	50-528	Q	FERNANDO, A.	7812110069*	50-522	Q	FIORELLI, G.	7812260292	50-254
ENGELKEN, R. H.	7812290085	50-344	Q	FERRIS, M. J.	7812130179*	50-267	B	FIORELLI, G.	7812260293	50-255
ENGELKEN, R. H.	7812290094	50-312	Q	FICKELSEN, K. O.	7812280236*	50-219	B	FIORELLI, G.	7812260302	50-135
ENGELKEN, R. H.	7812290098	50-206	Q	FIDELL, E. R.	7812260014	50-247	P	FIORELLI, G.	7812260308	50-263
ENGELKEN, R. H.	7812290099	50-361	Q	FIDELL, E. R.	7812270138	50-247	Q	FIORELLI, G.	7812270028	50-282
ENGELKEN, R. H.	7812290103	50-397	Q	FIEDLER, J.	7810130223	50-393	J	FIRESTONE, L.	7810130161*	50-380
ENGLE, L. B.	7810120094	50-368	P	FIEDLER, J.	7812010256	50-259	J	FISCHER, B.	7810270110	50-70
ENGLE, L. B.	7810230309*	50-368	P	FINFROCK, I. R.	7811080189*	50-363	Q	FISH, R. F.	7812140072*	50-70
ENGLE, L.	7811170223	50-368	P	FINFROCK, I. R.	7810110118	50-219	P	FISH, R. F.	7812190177*	50-133
ENGLE, L. B.	7811140061	50-368	P	FINFROCK, I. R.	7810160113	50-219	P	FISHER, W. L.	7810110062*	50-10
ENGLE, L.	7811200129	50-368	P	FINFROCK, I. R.	7810160120*	50-219	P	FISHER, J. R.	7810120042*	50-305
ENGLE, L. B.	7811200378	50-368	P	FINFROCK, I. R.	7810160143	50-219	P	FISHER, W. L.	7811090040*	50-2
ENGLE, L. B.	7812140020*	50-368	P	FINFROCK, I. R.	7810170200	50-219	R	FISHER, W. L.	7811080080*	50-254
EPPLER, E. P.	781010231	50-572	Q	FINFROCK, I. R.	7810170240	50-219	P	FISHER, W. L.	7812200302*	50-255
EPSTEIN, E.	7810300351*	50-201	Q	FINFROCK, I. R.	7810270094	50-219	R	FITCH, H. A.	7811170173	50-368
ERB, C. M.	7810260184*	50-341	Q	FINFROCK, I. R.	7811070304	50-219	P	FITE, J. P.	7811080225	50-445
ERB, C. M.	7811010059*	50-373	Q	FINFROCK, I. R.	7811030114	50-219	P	FLEISCHWER, D.	7810160155	50-275
ERB, C. M.	7811300221*	50-358	Q	FINFROCK, I. R.	7810701035	50-219	B	FLEISCHWER, D.	7810190257	50-275
ERB, C. M.	7812050241*	50-456	Q	FINFROCK, I. R.	7811220129	50-219	P	FLEISCHWER, D.	7810190262*	50-275
ERICKSON, P.	7810700050	50-335	P	FINFROCK, I. R.	7812180161*	50-363	Q	FLEISCHWER, D.	7810190267*	50-275
ERICKSON, P. B.	7811280073	50-335	P	FINFROCK, I. R.	7811200160	50-219	P	FLEISCHWER, D.	7810190269*	50-275
EBBIT, T. H.	7810110270*	50-346	Q	FINFROCK, I. R.	7811200164*	50-219	P	FLEISCHWER, D.	7810270294	50-275
EBBIT, T. H.	7812010070*	50-305	Q	FINFROCK, I. R.	7811240194	50-219	P	FLEISCHWER, D.	7810300128	50-275
EBBIT, T. H.	7812280229*	50-456	Q	FINFROCK, I. R.	7811280262	50-219	P	FLEISCHWER, D.	7811130314	50-275
EBBIT, T. H.	7812290063	50-255	Q	FINFROCK, I. R.	7812120127*	50-219	B	FLEISCHWER, D.	7812010048	50-275
EBSTER, J.	7811200268	50-266	Q	FINFROCK, I. R.	7812120133	50-219	B	FLEMING, B. T.	7811210385*	50-213
ETHERINGTON, H.	7811100051	50-280	T	FINFROCK, I. R.	7812120136*	50-219	B	FLEMING, B. T.	7811210311*	50-213
EVANS, E. A.	7811200330*	50-298	Q	FINFROCK, I. R.	7812120123	50-219	B	FLIEGEL, M. H.	7810702925	50-387
EVANS, D. J.	7811080144	50-230	M	FINFROCK, I. R.	7812180204	50-219	B	FLYNN, J. D.	7812200148	50-358
EVANS, C. A.	7812070002*	50-128	Q	FINFROCK, I. R.	7812180208*	50-219	B	FOGO, W. C.	7811210172	50-155
EVANS, C. A.	7812180424*	50-59	Q	FINFROCK, I. R.	7812190103	50-219	B	FOGO, W. C.	7812270146	50-255
EVANS, D. J.	7812270037	50-305	Q	FINFROCK, I. R.	7812270185	50-219	P	FOLEY, T.	7812010136*	50-219
EVERETT, R. J.	7811170174*	50-556	Q	FINNELL, A. E.	7810270286*	50-311	Q	FOLBOM, B. A.	7811010135*	50-443
EVRAETS, J. C.	7812080099*	50-142	P	FIORELLI, G.	7812060337	50-331	Q	FOLBOM, B. A.	7811100097*	50-443
EWALD, S. C.	7810270221*	50-327	Q	FIORELLI, G.	7810110182	50-305	Q	FONTANA, L.	7811080180	50-382
EWALD, S. C.	7811240081*	50-302	Q	FIORELLI, G.	7810110218	50-358	Q	FONTANA, L.	7811210408	50-382
EWALD, S. C.	7812110225*	50-280	Q	FIORELLI, G.	7811080104*	50-315	Q	FONTECILLA, H. M.	7811130315	50-244
EWING, T. N.	7810240095	50-556	B	FIORELLI, G.	7810250216	50-331	Q	FONTECILLA, H. M.	7812040194	50-10
EWING, W. C.	7811240186	50-329	A	FIORELLI, G.	7811010067	50-254	Q	FONTECILLA, H. M.	7812040198	50-213
EWING, T. N.	7811130222	50-556	A	FIORELLI, G.	7810270371	50-301	Q	FORTUNA, R. A.	7810300281*	50-389
EWING, T. N.	7811140192	50-556	L	FIORELLI, G.	7811010018	50-10	Q	FORTUNA, R. A.	7810310030	50-400
EWING, T. N.	7811160081	50-556	A	FIORELLI, G.	7811010016*	50-10	Q	FOSTER, J. E.	7810110274*	50-358
EWING, T. N.	7811140214	50-556	B	FIORELLI, G.	7810270385	50-315	Q	FOSTER, J. E.	7811170264*	50-358
EWING, T. N.	7812220115	50-556	A	FIORELLI, G.	7810310029	50-182	Q	FOSTER, W. H.	7810310030	50-400
EWING, T. N.	7812270200	50-556	A	FIORELLI, G.	7811010012*	50-10	Q	FOSTER, E. R.	7811090133*	50-423
FAHRNER, W. J.	7811090076	50-341	B	FIORELLI, G.	7810310335	50-316	Q	FOSTER, J. E.	7812290247*	50-461
FAHRNER, W. J.	7811090169	50-341	B	FIORELLI, G.	7811300314	50-255	Q	FOX, A.	7811200179	50-70
FAIN, T. Q.	7811150196*	50-327	A	FIORELLI, G.	7811130004	50-331	Q	FOX, H. B.	7810100002	50-296
FAIROBERT, J. E.	7810300050	50-341	A	FIORELLI, G.	7810110297	50-315	Q	FOX, H. B.	7810100042	50-296
FAIRFILE, N. B.	7810260149	50-269	P	FIORELLI, G.	7810110199	50-282	Q	FOX, H. B.	7810100036	50-259
FAIRFILE, M.	7811210032	50-269	F	FIORELLI, G.	7811080046	50-295	Q	FOX, H. B.	7810180138	50-260
FAIRFILE, M.	7812060019	50-269	F	FIORELLI, G.	7811090182	50-315	Q	FOX, H. B.	7810240146	50-296
FARON, R. B.	7812220113	50-244	P	FIORELLI, G.	7811140264	50-373	Q	FOX, H. B.	7810300168	50-260
FARRAR, D.	7812180177*	50-10	B	FIORELLI, G.	7811150053	50-346	Q	FOX, H. B.	7810310183	50-250
FARRIS, J. R.	7810250075	50-556	Q	FIORELLI, G.	7811210214	50-331	Q	FOX, H. B.	7811140165	50-296
FARRIS, J. R.	7811150232	50-556	Q	FIORELLI, G.	7811210413	50-266	Q	FOX, H. B.	7811140168	50-296
FARRIS, J. R.	7811270193	50-556	Q	FIORELLI, G.	7811290324	50-320	Q	FOX, H. B.	7811140186	50-296
FARRIS, J. R.	7811240083	50-556	Q	FIORELLI, G.	7811290333	50-286	Q	FOX, H. B.	7811140201	50-296
FABANO, A. N.	7810250207*	50-387	Q	FIORELLI, G.	7811300261	50-10	Q	FOX, H. B.	7811140217	50-259
FABANO, A. N.	7810190007*	50-320	Q	FIORELLI, G.	7811020335	50-10	Q	FOX, H. B.	7811140240	50-259
FABANO, A. N.	7810190006*	50-320	Q	FIORELLI, G.	7811300135	50-189	Q	FOX, H. B.	7811160099	50-296

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FOX, H. S.	7811280214	50-259 S	GAHM, J. W.	7812130179*	50-267 S	GIAMBUSO, A.	7811200331*	50-437 A
FOX, H. S.	7811280187	50-259 S	GAHM, J. W.	7812130185*	50-267 S	GIAMBUSO, A.	7811200026*	50-437 A
FOX, H. S.	7811280294	50-259 S	GAHM, J. W.	7812200210*	50-267 S	GIAMBUSO, A.	7811200291*	50-437 A
FOX, H. S.	7811280205	50-259 S	GAHM, J. W.	7812270206*	50-267 S	GIBBONS, T. D.	7810110194*	50-438 Q
FOX, H. S.	7811280201	50-260 S	GAITANIS, H. J.	7811130375	50-317 F	GIBBONS, T. D.	7811090238*	50-379 Q
FOX, H. S.	7812050199	50-296 S	GAITANIS, H. J.	7811220062*	50-349 T	GIBBONS, T. D.	7812060274*	50-327 Q
FOX, H. S.	7812080101	50-260 S	GALLAGHER, E. J.	7810110184*	50-367 Q	GIBBONS, T. D.	7812120045*	50-398 Q
FOX, H. S.	7812110168	50-296 S	GALLAGHER, E. J.	7811210112*	50-440 Q	GIBBS, H. E.	7811101309*	50-329 Q
FOX, H. S.	7812120174	50-260 S	GALLAGHER, E. J.	7811170264*	50-358 Q	GIBBS, H. E.	7811150080	50-329 Q
FOX, H. S.	7812170110	50-296 S	GALLAGHER, E. J.	7812050241*	50-456 Q	GIBBS, H. E.	7811210036	50-329 Q
FOX, H. S.	7812190119	50-296 S	GALLAGHER, P. M.	7811060034	50-361 Q	GIBBS, H. E.	7812140087	50-329 Q
FOX, H. S.	7812270265	50-259 S	GALLAGHER, E. J.	7811300260*	50-358 Q	GIBBS, H. E.	7812140362	50-329 Q
FOX, H. S.	7812270221	50-260 S	GALLAN, K. P.	7811080329*	50-356 Q	GIBBS, H. E.	7812180383	50-329 Q
FRAMM, R. K.	7810140026*	50-356 Q	GALLAGHER, E. J.	7812190160*	50-329 Q	GIBBS, H. E.	7812280350	50-329 Q
FRALEY, R. F.	7811200239*	50-437 A	GALLER, K. R.	7812190169	50-70 F	GIBSON, Q. T.	7810260073*	50-250 Q
FRANSON, R. S.	7810240033	50-466 Q	GALLINA, C.	7812150240*	50-245 Q	GIBSON, A. F.	7810180192*	50-335 Q
FRANSON, R. S.	7811210243	50-466 Q	GALLIO, R. M.	7810250207*	50-387 Q	GIBSON, A. F.	7810190177*	50-369 Q
FRANSON, R. S.	7811210249	50-466 Q	GALLIO, J.	7810250202	50-356 Q	GIBSON, Q. T.	7811010411*	50-250 Q
FRANSON, R. S.	7812030291	50-466 Q	GALLIO, J.	7810190216	50-356 Q	GIBSON, A. F.	7811130049*	50-359 Q
FRANK, L.	7810310092	50-568 A	GALLIO, J.	7810250021	50-356 Q	GIBSON, A. F.	7810230036*	50-369 Q
FRANKLIN, W. J.	7812280249	50-498 M	GALLIO, J.	7810260199	50-556 Q	GIBSON, A. F.	7810130064*	50-269 Q
FRANKLIN, W. J.	7812270405	50-498 M	GALLIO, J.	7811010433	50-556 Q	GIBSON, A. F.	7810310054*	50-280 Q
FRAZAR, R. A.	7812040127*	50-498 Q	GALLIO, J.	7811130066	50-556 Q	GIBSON, A. F.	7811010191*	50-338 Q
FRAZAR, R. A.	7811030214	50-498 S	GALLIO, J.	7811130252	50-556 Q	GIBSON, Q. T.	7811030235*	50-335 Q
FREEDKIN, S.	7811010013*	50-329 A	GALLIO, J.	7811240076	50-556 Q	GIBSON, A. F.	7812050031*	50-269 Q
FREEDKIN, S.	7811010010*	50-329 A	GALLIO, J.	7812050281	50-556 Q	GIBSON, A. F.	7812040339*	50-269 Q
FREEDMAN, M.	7812050251*	50-259 P	GALLIO, J.	7812040235	50-556 Q	GIBSON, A. F.	7811240037*	50-338 Q
FRIEDEL, E.	7810110037	50-466 Q	GALLIO, J.	7812070008	50-556 Q	GIBSON, A. F.	7812060033*	50-259 Q
FRIEDEL, E. B.	7810140044*	50-466 Q	GALLIO, R. M.	7812290238*	50-387 Q	GIBSON, A. F.	7812070312*	50-261 Q
FRIEDEL, E. B.	7810130242	50-452 Q	GALLIO, J.	7812110107	50-556 Q	GIBSON, A. F.	7812110225*	50-280 Q
FRIEDEL, E. S.	7810240030	50-466 Q	GALLIO, J.	7812050347	50-556 Q	GIBSON, A. F.	7812280348*	50-350 Q
FRIEDEL, E. S.	7810300252	50-466 Q	GALLIO, J.	7812040014	50-556 T	GIBSON, Q. T.	7812140122*	50-348 Q
FRIEDEL, E. S.	7811070172	50-466 Q	GALLIO, J.	7812140078	50-556 Q	GIBSON, Q. T.	7812210076*	50-250 Q
FRIEDEL, E. S.	7811140094	50-466 Q	GALLIO, J.	7812140285	50-556 Q	GILBERT, L. D.	7810250015*	50-445 Q
FRIEDEL, E. S.	7811150038	50-466 Q	GAMBARDOLA, A.	7811080035	50-338 Q	GILBERT, R. A.	7810120097	50-392 A
FRIEDEL, E. S.	7811280483	50-219 Q	GAMBLE, F. W.	7811280192*	50-286 S	GILBERT, R. A.	7810130093	50-392 A
FRIEDEL, E. S.	7812050085	50-219 Q	GAMMILL, W. P.	7812180330	50-70 F	GILBERT, R. A.	7810230126	50-466 Q
FRIEDEL, E. S.	7811220097	50-466 Q	GAMMILL, W. P.	7812180425	50-70 F	GILBERT, L. D.	7812060342*	50-445 Q
FRIEDEL, E. S.	7811280143	50-466 Q	GAMMILL, W. P.	7811270211	50-267 F	GILBERT, S.	7811160053	50-466 Q
FRY, D. N.	7812270182	50-267 P	GARDEBRINO, S.	7812260328*	50-263 P	GILBERT, R. A.	7811270054*	50-468 A
FRYLING, C.	7811280159*	50-458 I	GARDEBRINO, S. B.	7812270023*	50-263 H	GILINSKY, V.	7811200015*	50-437 A
FRYLING, R.	7812280046	50-272 Q	GARFIELD, O.	7811010166	50-245 P	GILINSKY, V.	7811060260*	50-437 A
FUCHS, J. M.	7812290112*	50-302 Q	GARRETT, S. M.	7812260061	50-344 Q	GILINSKY, V.	7811200013*	50-437 A
FUJITA, T. T.	7812200053	50-70 P	GARRETT, S. M.	7811020235	50-344 Q	GILLELAND, J. E.	7810310064*	50-289 Q
FULLER, J. K.	7810100005	50-267 P	GARRETT, S. M.	7812260332	50-344 Q	GILLELAND, J. E.	7811020074	50-430 A
FULLER, J. K.	7810100012	50-267 P	GARY, R. J.	7810240221*	50-445 Q	GILLEPIE, F. P.	7811130007*	50-280 Q
FULLER, J. K.	7810110136	50-267 P	GARY, R. J.	7810240161	50-445 A	GILLEPIE, J. E.	7810702336	50-327 Q
FULLER, J. K.	7810180141	50-267 P	GARY, R. J.	7810240186	50-445 A	GILLELAND, J. E.	7810190164	50-327 Q
FULLER, J. K.	7810170139	50-267 F	GARY, R. J.	7811030249*	50-445 Q	GILLELAND, J. E.	7810230135	50-327 Q
FULLER, J. K.	7810170174	50-267 F	GARY, R. J.	7811070260*	50-445 Q	GILLEPIE, F. P.	7811100130*	50-267 Q
FULLER, J. K.	7810310094	50-267 P	GARY, R. J.	7811280367	50-445 S	GILLELAND, J. E.	7810230227*	50-259 Q
FULLER, J. K.	7810230067	50-267 P	GARY, R. J.	7811080031	50-445 Q	GILLELAND, J. E.	781070245	50-818 Q
FULLER, J. K.	7810260205	50-267 P	GARY, R. J.	7811070134	50-445 S	GILLEPIE, F. P.	7810110059*	50-289 Q
FULLER, J. K.	7810310083	50-267 P	GARY, R. J.	7811300109*	50-445 Q	GILLELAND, J. E.	7811030078*	50-438 Q
FULLER, J. K.	7811160096	50-267 F	GARY, R. J.	7811300020*	50-445 Q	GILLEPIE, F. P.	7810140060*	50-297 Q
FULLER, J. K.	7812070186	50-267 P	GARY, R. J.	7811170133	50-445 A	GILLET, W. T.	7810200056*	50-316 Q
FULLER, J. K.	7812270177	50-267 P	GARY, R. J.	7811210401	50-445 S	GILLELAND, J. E.	7810110158	50-327 Q
FULMER, B.	7811030158*	50-346 S	GARY, R. J.	7812190142*	50-445 Q	GILLELAND, J. E.	7810110107	50-259 Q
FULMER, B.	7811210359*	50-346 S	GARY, R. J.	7812190232	50-445 Q	GILLELAND, J. E.	7810120065	50-259 Q
FURBUSH, M. H.	7811010039	50-275 Q	GARY, R. J.	7811210348	50-445 A	GILLELAND, J. E.	7810190228	50-390 Q
FURR, B. J.	7810110229*	50-261 Q	GARY, R. J.	7811280183	50-445 S	GILLELAND, J. E.	7811070276	50-327 Q
FURR, B. J.	7810310123	50-261 S	GARY, R. J.	7811280218	50-445 A	GILLELAND, J. E.	7810702206	50-390 Q
FURR, B. J.	7811090013*	50-324 Q	GARY, R. J.	7812070111	50-445 K	GILLELAND, J. E.	7810180093	50-327 Q
FURR, B. J.	7811160137	50-325 S	GARY, R. J.	7812150264	50-445 C	GILLELAND, J. E.	7810230244	50-259 Q
FURR, B. J.	7812070065*	50-261 Q	GARY, R. J.	7812200184	50-445 A	GILLELAND, J. E.	7811130013*	50-259 Q
FURR, B. J.	7811160138	50-325 S	GARY, R. J.	7812280109	50-445 S	GILLELAND, J. E.	7811080234*	50-430 Q
FURR, B. J.	7812200198	50-324 S	GASCHLER, J. A.	7812120089	50-267 S	GILLELAND, J. E.	7811030243	50-327 Q
FURR, B. J.	7812200200	50-324 S	GASE, E. D.	7812190020*	50-70 P	GILLELAND, J. E.	7811030268*	50-327 Q
FURR, B. J.	7812270288	50-325 S	GASBER, R. A.	7811240032*	50-363 H	GILLELAND, J. E.	7811090204*	50-289 Q
GAD, R. K.	7811010244	50-443 Q	GATES, G.	7810100014*	50-285 S	GILLELAND, J. E.	7811060090	50-390 Q
GAD, R. K.	7811080195	50-368 Q	GATES, O.	7810110114*	50-285 S	GILLELAND, J. E.	7810240193	50-259 Q
GAFFNEY, C.	7812200185*	50-293 R	GATLEY, C.	7811200019*	50-437 A	GILLELAND, J. E.	781030257	50-438 Q
GAHM, J. H.	78103000194*	50-267 S	GAHER, A. C.	7811020082	50-592 M	GILLELAND, J. E.	7810240144	50-259 Q
GAHM, J. H.	7810160103*	50-267 R	GEORGE, J.	7812270039	50-275 H	GILLELAND, J. E.	7810250082	50-260 Q
GAHM, J. H.	7810300180*	50-267 S	GEORGE, K. D.	7812190091	50-34 P	GILLELAND, J. E.	7810250088	50-566 Q
GAHM, J. H.	7810300313*	50-267 S	GERLACH, D.	7812280277*	50-267 H	GILLELAND, J. E.	7810250095	50-327 Q
GAHM, J. H.	7810270232*	50-267 S	GERSTNER, W. C.	7810110057*	50-461 Q	GILLELAND, J. E.	7810250120	50-327 Q
GAHM, J. H.	7810270282*	50-267 S	GETTY, B. C.	7812150311*	50-133 R	GILLELAND, J. E.	7810300103	50-289 Q
GAHM, J. H.	7810310230*	50-267 S	GIAMBUSO, A.	7811200096*	50-437 A	GILLELAND, J. E.	7810310113	50-327 Q
GAHM, J. H.	7811070238*	50-267 R	GIAMBUSO, A.	7811200082*	50-437 A	GILLELAND, J. E.	7811070277	50-327 Q
GAHM, J. H.	7811280289*	50-267 S	GIAMBUSO, A.	7811200067*	50-437 A	GILLELAND, J. E.	7810250080	50-296 Q
GAHM, J. H.	7811280318*	50-267 S	GIAMBUSO, A.	7811200408*	50-437 A	GILLELAND, J. E.	7812040192	50-387 Q
GAHM, J. H.	7812130167*	50-267 R	GIAMBUSO, A.	7811200313*	50-437 A	GILLELAND, J. E.	7810310076	50-259 Q
GAHM, J. H.	7812130141*	50-267 S	GIAMBUSO, A.	7811200208*	50-437 A	GILLELAND, J. E.	7812050123*	50-327 Q
GAHM, J. H.	7812130192*	50-267 S	GIAMBUSO, A.	7811200339*	50-437 A	GILLELAND, J. E.	7812010266	50-327 Q

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GILLELAND, J. E.	7811020231	50-438 K	QIRARD, E. H.	7811130067*	50-395 G	GRAVES, R. H.	7812050160	50-213
GILLELAND, J. E.	7812040226	50-390 S	QIRARD, E. H.	7812180343*	50-400 G	GRAVES, R. H.	7812050134	50-213
GILLELAND, J. E.	7811010073	50-327 A	QITTON, E. C.	7811200019*	50-437 A	GRAVES, R. H.	7812210201	50-213
GILLELAND, J. E.	7811060663	50-390 S	QLABER, M.	7812130003	50-445 N	GRAVES, R. H.	7812220061	50-213
GILLELAND, J. E.	7811060094	50-327 A	QLENN, J.	7810240011*	50-440 A	GRAY, J. R.	7810140150	50-344
GILLELAND, J. E.	7811080164	50-518 A	QLENN, J.	7812190236	50-440 G	GRAY, J. R.	7810260227	50-344
GILLETT, W. T.	7811210391*	50-315 R	QLENN, J.	7812120041*	50-580 H	GRAY, J. R.	7810300070	50-344
GILLETT, W. T.	7811210438*	50-316 R	QOAO, L. F.	7812210200*	50-275 A	GRAY, J. R.	7810120270	50-344
GILLELAND, J. E.	7811080160	50-390 F	QODDARD, R. J.	7810300324	50-237 G	GRAY, J. R.	7811030237	50-344
GILLESPIE, F. P.	7812110251*	50-324 Q	QODDARD, R. J.	7810310223	50-237 G	GRAY, J. R.	7811020325	50-344
GILLELAND, J. E.	7811220091*	50-260 G	QODDARD, R. J.	7811130216	50-237 G	GRAY, J. R.	7811030176	50-344
GILLELAND, J. E.	7812080213	50-518 B	QODDARD, R. J.	7811220233	50-237 G	GRAY, J. R.	7811160001	50-463
GILLELAND, J. E.	7811210032	50-296 P	QODDARD, R. J.	7811220010	50-237 G	GRAY, J. R.	7812040253	50-344
GILLELAND, J. E.	7811080114	50-390 A	QODDARD, R. J.	7811300147	50-295 P	GRAY, J. R.	7812080048	50-344
GILLELAND, J. E.	7811080132	50-390 K	QODDARD, R. J.	7812050034	50-295 G	GRAY, J. R.	7812070228	50-344
GILLELAND, J. E.	7812040053*	50-390 G	QODDARD, R. J.	7812080158	50-237 H	GRAY, J. R.	7812070231*	50-344
GILLELAND, J. E.	7812050268	50-327 B	QODDARD, R. J.	7812270371	50-295 G	GRAY, J. R.	7812120096	50-344
GILLELAND, J. E.	7811160067	50-438 S	QODDARD, R. J.	7812270230	50-10 G	GRAY, J. R.	7812140084	50-344
GILLELAND, J. E.	7811150128	50-260 P	QOLDBERG, B. C.	7810180176	50-395 G	GRAY, J. R.	7812190171	50-344
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GILLELAND, J. E.	7811140134	50-327 F	QOLDBERG, B. C.	7811060129	50-353 G	GREENE, T.	7810170261*	50-321
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GILLELAND, J. E.	7811150132	50-327 A	QOLDBERG, B. C.	7811070366	50-395 F	GREENE, T.	7810170237*	50-321
GILLELAND, J. E.	7812050266	50-390 S	QOLDBERG, B. C.	7811130116	50-395 G	GREENE, T.	7810180118*	50-366
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GILLELAND, J. E.	7811280255	50-296 P	QOODHOPE, A. C.	7812280203	50-349 G	GREENE, T.	7812180170*	50-321
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GILLELAND, J. E.	7812290043*	50-390 G	QOULD, W. R.	7812080041	50-184 Q	GRIER, B. H.	7810160255	50-322
GILLELAND, J. E.	7812290117*	50-327 G	QRAHAM, R. L.	7811160050	50-367 G	GRIER, B. H.	7810160257	50-442
GILLELAND, J. E.	7812290058*	50-438 G	QRAHAM, S. A.	7812180324	50-275 G	GRIER, B. H.	7810170001	50-387
GILLELAND, J. E.	7812150248	50-296 G	QRANT, J. S.	7811800087	50-446 R	GRIER, B. H.	7810170003	50-48*
GILLELAND, J. E.	7812200134	50-259 P	QRANT, W. B.	7812010286*	50-409 G	GRIER, B. H.	7810170023	50-271
GILLELAND, J. E.	7812200256	50-259 P	QRANT, J. S.	7811150124	50-346 P	GRIER, B. H.	7810170024	50-412
GILLESPIE, F. P.	7812210287*	50-276 Q	QRANT, J. S.	7811240159	50-346 P	GRIER, B. H.	7810170025	50-362
GILLELAND, J. E.	7812260163	50-259 P	GRAVES, R. H.	7811240163	50-213 S	GRIER, B. H.	7810170026	50-317
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GILLELAND, J. E.	7812290126	50-390 A	GRAVES, R. H.	7810250106	50-213 B	GRIER, B. H.	7811060173	50-271
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GIRMAN, D. H.	7810260118*	50-361 K	GRAVES, R. H.	7811210282	50-213 R	GRIER, B. H.	7811060176	50-292
QIRARD, E. H.	7811080158*	50-395 Q	GRAVES, R. H.	7811300212	50-213 P	GRIER, B. H.	7811060178	50-271

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ORIER, B. H.	7811060182	50-213 Q	ORIER, B. H.	7812150121	50-293 Q	ORICE, R. H.	7811270130	50-271 P
ORIER, B. H.	7811060184	50-286 Q	ORIER, B. H.	7812150123	50-317 Q	ORICE, R. H.	7811280221	50-29 P
ORIER, B. H.	7811060186	50-289 Q	ORIER, B. H.	7812150131	50-213 Q	ORICE, R. H.	7812010214	50-309 Q
ORIER, B. H.	7811060188	50-317 Q	ORIER, B. H.	7812150133	50-3 Q	ORICE, R. H.	7812040171	50-29 P
ORIER, B. H.	7811060190	50-387 Q	ORIER, B. H.	7812150136	50-334 Q	ORICE, R. H.	7812050128	50-29 F
ORIER, B. H.	7811060192	50-309 Q	ORIER, B. H.	7812150140	50-309 Q	ORICE, R. H.	7812050130	50-271 F
ORIER, B. H.	7811060195	50-322 Q	ORIER, B. H.	7812150142	50-219 Q	ORICE, R. H.	7812140143	50-29 P
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ORIER, B. H.	7811060201	50-3 Q	ORIER, B. H.	7812150150	50-245 Q	ORONBERG, W. L.	7810110156	50-333 P
ORIER, B. H.	7811060203	50-277 Q	ORIER, B. H.	7812150155	50-277 Q	ORONBERG, W. L.	7811070126	50-333 P
ORIER, B. H.	7811060205	50-245 Q	ORIER, B. H.	7812150158	50-286 Q	OROSSMAN, M. J.	7810250152	50-329 Q
ORIER, B. H.	7811060208	50-220 Q	ORIER, B. H.	7812150160	50-363 Q	OROSSMAN, M. J.	78121200202	50-424 Q
ORIER, B. H.	7812060275	50-184 Q	ORIER, B. H.	7812150169	50-322 Q	OROSSMAN, J. B.	7812270123	50-389 H
ORIER, B. H.	7812130071	50-352 Q	ORIER, B. H.	7812150171	50-410 Q	OROSSMAN, J. B.	7812280031	50-389 H
ORIER, B. H.	7811080042	50-309 P	ORIER, B. H.	7812180022	50-272 Q	OROTENHUIS, M.	7810300100	50-282 P
ORIER, B. H.	7811060224	50-3 Q	ORIER, B. H.	7812180023	50-412 Q	OROTENHUIS, M.	7810250252	50-250 P
ORIER, B. H.	7811100056	50-387 S	ORIER, B. H.	7812180026	50-29 Q	OROTENHUIS, M.	7812190154	50-282 P
ORIER, B. H.	7811100120	50-286 Q	ORIER, B. H.	7812180030	50-271 Q	OROTENHUIS, M.	7812180378	50-250 P
ORIER, B. H.	7812010272	50-245 Q	ORIER, B. H.	7812180032	50-244 Q	OROVE, P. A.	7810310207	50-133 P
ORIER, B. H.	7811130115	50-272 Q	ORIER, B. H.	7812180034	50-333 Q	QUASCO, Q.	7810160151*	50-409 P
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ORIER, B. H.	7812080155	50-334 Q	ORIFFITH, R.	7811280275	50-272 J	QUMBLE, F. W.	781060215*	50-286 S
ORIER, B. H.	7811290139	50-410 Q	ORIMES, B. K.	7812130385*	50-344 P	QUMBLE, F. W.	7812220098*	50-286 S
ORIER, B. H.	7811290142	50-387 Q	ORIMES, B. K.	7810140015*	50-298 P	QUTTMAN, A. H.	7810240037	50-566 Q
ORIER, B. H.	7811290145	50-271 Q	ORIMES, C.	7811130335	50-219 P	QUTTMAN, D.	7812180339	50-389 H
ORIER, B. H.	7811290149	50-412 Q	ORIMES, B. K.	7811270103*	50-263 P	QUTTMAN, D.	7812180342*	50-389 H
ORIER, B. H.	7811290151	50-29 Q	ORIMES, B. K.	7811280279	50-324 P	HAASS, W. P.	7811170068	50-361 A
ORIER, B. H.	7811290154	50-244 Q	ORIMES, B. K.	7812180248	50-10 P	HAASS, W. P.	7812190097	50-10 P
ORIER, B. H.	7811290158	50-286 Q	ORIMES, B. K.	7812180250	50-133 P	HAFFMAN, J. H.	7811130393*	50-364 Q
ORIER, B. H.	7811290160	50-277 Q	ORIMES, B. K.	7812180251	50-219 P	HAGA, P. B.	7811280058*	50-437 A
ORIER, B. H.	7811290164	50-245 Q	ORIMES, B. K.	7812180253	50-245 P	HAGA, P. B.	7810240103	50-437 A
ORIER, B. H.	7811290170	50-220 Q	ORIMES, B. K.	7812180255	50-409 P	HAGA, P. B.	7811090163	50-437 A
ORIER, B. H.	7811290174	50-485 Q	ORIMES, B. K.	7812180259	50-293 P	HAGA, P. B.	7812070176	50-437 A
ORIER, B. H.	7811290177	50-443 Q	ORIMES, B. K.	7812180262	50-271 P	HAGA, P. B.	7812200160	50-437 A
ORIER, B. H.	7811290183	50-352 Q	ORIMES, B. K.	7812180263	50-247 P	HAGA, P. B.	7812220097	50-437 A
ORIER, B. H.	7811290188	50-322 Q	ORIMES, B. K.	7812180264	50-155 P	HAINEB, F. D.	7812150293	50-466 A
ORIER, B. H.	7811290190	50-363 Q	ORIMES, B. K.	7812180266	50-254 P	HAIRSTON, W. Q.	7810270311	50-348 S
ORIER, B. H.	7811290193	50-272 Q	ORIMES, B. K.	7812180268	50-171 W	HAIRSTON, W. Q.	7810180082*	50-348 R
ORIER, B. H.	7811290195	50-333 Q	ORIMES, B. K.	7812180270	50-333 P	HAIRSTON, W. Q.	7810100072*	50-348 S
ORIER, B. H.	7811290199	50-289 Q	ORIMES, B. K.	7812180271	50-298 P	HAIRSTON, W. Q.	7810100086*	50-348 S
ORIER, B. H.	7811290203	50-309 Q	ORIMES, B. K.	7812180273	50-259 P	HAIRSTON, W. Q.	7811140233*	50-348 S
ORIER, B. H.	7811290208	50-219 Q	ORIMES, B. K.	7812180274	50-324 P	HAIRSTON, W. Q.	78101090200*	50-348 S
ORIER, B. H.	7811290212	50-334 Q	ORIMES, B. K.	7812180275	50-263 P	HAIRSTON, W. Q.	7810180154*	50-348 S
ORIER, B. H.	7811290214	50-3 Q	ORIMES, B. K.	7812180277	50-321 P	HAIRSTON, W. Q.	7810200081*	50-348 S
ORIER, B. H.	7811290216	50-213 Q	ORIMES, B. K.	7812180279	50-331 P	HAIRSTON, W. Q.	7810200083*	50-348 S
ORIER, B. H.	7811290218	50-293 Q	ORIMES, B. K.	7812180283	50-272 P	HAIRSTON, W. Q.	7810200089*	50-348 S
ORIER, B. H.	7811290220	50-317 Q	ORIMES, B. K.	7812180284	50-344 P	HAIRSTON, W. Q.	7810200145*	50-348 S
ORIER, B. H.	7811290222	50-311 Q	ORIMES, B. K.	7812180288	50-281 P	HAIRSTON, W. Q.	7810250114*	50-348 S
ORIER, B. H.	7811290288	50-171 W	ORIMES, B. K.	7812190002	50-313 P	HAIRSTON, W. Q.	7811090187*	50-348 S
ORIER, B. H.	7811290291	50-245 R	ORIMES, B. K.	7812190006	50-348 P	HAIRSTON, W. Q.	7811090192*	50-348 S
ORIER, B. H.	7812070140	50-469 A	ORIMES, B. K.	7812190008	50-317 P	HAIRSTON, W. Q.	7811090196*	50-348 S
ORIER, B. H.	7812070141	50-271 P	ORIMES, B. K.	7812190011	50-295 P	HAIRSTON, W. Q.	7811090200*	50-348 S
ORIER, B. H.	7812070143	50-334 P	ORIMES, B. K.	7812190016	50-3 P	HAIRSTON, W. Q.	7811140237*	50-348 S
ORIER, B. H.	7812070144	50-412 A	ORIMES, B. K.	7812190017	50-255 P	HAIRSTON, W. Q.	7811140242*	50-348 S
ORIER, B. H.	7812070146	50-244 P	ORIMES, B. K.	7812190023	50-261 P	HAIRSTON, W. Q.	7811140246*	50-348 S
ORIER, B. H.	7812070149	50-352 A	ORIMES, B. K.	7812190025	50-213 P	HAIRSTON, W. Q.	7811140251*	50-348 S
ORIER, B. H.	7812070150	50-387 A	ORIMES, B. K.	7812190028	50-334 P	HAIRSTON, W. Q.	7811210358*	50-348 S
ORIER, B. H.	7812070152	50-322 A	ORIMES, B. K.	7812190031	50-269 P	HAIRSTON, W. Q.	7812080224	50-348 S
ORIER, B. H.	7812070153	50-3 P	ORIMES, B. K.	7812190033	50-302 P	HAIRSTON, W. Q.	7811210179*	50-348 R
ORIER, B. H.	7812070154	50-213 P	ORIMES, B. K.	7812190036	50-250 P	HAIRSTON, W. Q.	7811280272*	50-348 S
ORIER, B. H.	7812070155	50-293 P	ORIMES, B. K.	7812190038	50-315 P	HAIRSTON, W. Q.	7812010254*	50-348 S
ORIER, B. H.	7812070156	50-311 A	ORIMES, B. K.	7812190039	50-289 P	HAIRSTON, W. Q.	7812210212*	50-348 R
ORIER, B. H.	7812070158	50-29 P	ORIMES, B. K.	7812190042	50-309 P	HAIRSTON, W. Q.	7812110138*	50-348 S
ORIER, B. H.	7812070159	50-443 A	ORIMES, B. K.	7812190044	50-336 P	HAIRSTON, W. Q.	7812200165*	50-348 S
ORIER, B. H.	7812070161	50-317 P	ORIMES, B. K.	7812190047	50-282 P	HAIRSTON, W. Q.	7812270311*	50-348 S
ORIER, B. H.	7812070163	50-220 P	ORIMES, B. K.	7812190048	50-286 P	HAIRSTON, W. Q.	7812270309*	50-348 S
ORIER, B. H.	7812070166	50-245 P	ORIMES, B. K.	7812190051	50-285 P	HAIRSTON, W. Q.	7812270313*	50-348 S
ORIER, B. H.	7812070191	50-272 P	ORIMES, B. K.	7812190054	50-244 P	HAIRSTON, W. Q.	7812270283*	50-348 S
ORIER, B. H.	7812070194	50-289 P	ORIMES, B. K.	7812190057	50-206 P	HAIST, D. P.	7811270126*	50-70 Q
ORIER, B. H.	7812070197	50-333 P	ORIMES, B. K.	7812190059	50-312 P	HAIST, D. P.	7812210380*	50-206 Q
ORIER, B. H.	7812070200	50-286 P	ORIMES, B. K.	7812190060	50-266 P	HALL, R. E.	7810270417*	50-213 P
ORIER, B. H.	7812070203	50-277 P	ORIMES, B. K.	7812190062	50-305 P	HALL, R. E.	7810110076*	50-245 P
ORIER, B. H.	7812070207	50-363 A	ORIMES, B. K.	7812190063	50-29 P	HALL, R. E.	7812130386	50-305 P
ORIER, B. H.	7812070209	50-219 P	ORIMES, B. K.	7812280365	50-346 P	HALL, R. E.	7812120125*	50-250 P
ORIER, B. H.	7812070212	50-309 P	ORIMES, B. K.	7812180105*	50-277 P	HALL, R. E.	7811030040*	50-466 Q
ORIER, B. H.	7812070282	50-410 A	ORICE, R. H.	7810110171	50-309 P	HALL, R. E.	7811200218*	50-498 Q
ORIER, B. H.	7812060271	50-387 A	ORICE, R. H.	7810190056	50-309 P	HALL, W. J.	7812040334*	50-275 Q
ORIER, B. H.	7812060290	50-387 A	ORICE, R. H.	7810130127	50-29 P	HALL, R. E.	7812120119	50-250 P
ORIER, B. H.	7812110212	50-387 A	ORICE, R. H.	7811090166	50-271 H	HAMILTON, D. S.	7810240001	50-313 P
ORIER, B. H.	7812150041	50-352 Q	ORICE, R. H.	7811130091	50-309 P	HAMMER, B. J.	7811280253*	50-263 S
ORIER, B. H.	7812150042	50-311 Q	ORICE, R. H.	7811170201	50-29 P	HAMMER, M. E.	7812270237*	50-263 S
ORIER, B. H.	7812150043	50-485 Q	ORICE, R. H.	7812010146	50-29 Q	HAMMOND, E. L.	7811270160	50-331 P

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HAMMOND, E. L.	7810110141	50-331 S	HAVERKAMP, D. R.	7812010338*	50-320 G	HEISHMAN, R. F.	7811010401	50-329
HAMMOND, E. L.	7810120047	50-331 P	HAWK, C.	7811200393	50-70 Q	HEISHMAN, R. F.	7811030093	50-346
HAMMOND, E. L.	7810200061	50-331 R	HAWK, C.	7812010323	50-70 Q	HEISHMAN, R. F.	7811010105	50-341
HAMMOND, E. L.	7811201039	50-331 R	HAWKINS, E. F.	7811200375*	50-437 A	HEISHMAN, R. F.	7811010115	50-329
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HANCHETT, J. G.	7812180408	50-70 P	HAYES, D. W.	7811210112*	50-440 G	HEISHMAN, R. F.	7812190117	50-483
HAND, R. C.	7810110307	50-322 A	HAYES, D. W.	7811210027*	50-456 G	HEISHMAN, R. F.	7811070222	50-329
HANLEY, W. C.	7811010310	50-502 Q	HAYES, D. W.	7811210013*	50-456 G	HEISHMAN, R. F.	7812060108	50-483
HANLEY, W. C.	7812130084	50-502 Q	HAYES, D. W.	7812040163*	50-346 G	HEISHMAN, R. F.	7812060174	50-266
HANNON, J. N.	7811030001	50-293 P	HAYES, D. W.	7812040026*	50-452 G	HEISHMAN, R. F.	7812060225	50-284
HANNON, J. N.	7811240154	50-324 P	HAYES, D. W.	7812060112*	50-483 Q	HEISHMAN, R. F.	7811080284	50-358
HANNON, J. N.	7812110315	50-324 P	HAYES, D. W.	7812060358*	50-454 G	HEISHMAN, R. F.	7811100074	50-341
HANNUM, D.	7812200241*	50-254 R	HAYES, D. W.	7812070108*	50-456 G	HEISHMAN, R. F.	7811301104	50-341
HANSEN, P.	7811240196*	50-304 S	HAYES, D. W.	7812140139*	50-329 Q	HEISHMAN, R. F.	7812060064	50-329
HANSEN, W. A.	7812040026*	50-452 G	HAYES, D. W.	7812280244*	50-367 Q	HEISHMAN, R. F.	7812060352	50-454
HANSELL, D.	7812080026	50-10 P	HAYNES, R. C.	7810110212*	50-361 Q	HEISHMAN, R. F.	7812070105	50-456
HANSEN, W. A.	7812210075*	50-346 G	HAYNES, R. C.	7810190093*	50-397 Q	HEISHMAN, R. F.	7812000041	50-329
HANSEN, P. W.	7812110159*	50-293 B	HAYNES, R. C.	7811010037*	50-361 Q	HEISHMAN, R. F.	7812000126	50-367
HANSEN, P. W.	7812110163*	50-293 B	HAYNES, R. C.	7810230094*	50-508 Q	HEISHMAN, R. F.	7812140063	50-331
HANSEN, P. W.	7812110180*	50-293 B	HAYNES, J. Q.	7810130096*	50-206 P	HEISHMAN, R. F.	7812140130	50-329
HARCEK, D. B.	7811240185	50-329 A	HAYNES, J. Q.	7810230105	50-206 P	HEISHMAN, R. F.	7812080055	50-358
HARDING, V. R.	7811020333*	50-349 Q	HAYNES, R. C.	7811270046*	50-361 Q	HEISHMAN, R. F.	7812130206	50-313
HARDIN, A. K.	7810130077*	50-348 Q	HAYNES, R. C.	7811270126*	50-70 Q	HEISHMAN, R. F.	7812130129	50-331
HARDING, V. R.	7810230367	50-498 Q	HAYNES, R. C.	7811270058*	50-312 Q	HEISHMAN, R. F.	7812130329	50-293
HARDING, V. R.	7810240090	50-498 Q	HAYNES, R. C.	7812110240*	50-361 Q	HEISHMAN, R. F.	7812270034	50-341
HARDING, V. R.	7811020328	50-349 Q	HAYNES, J. Q.	7810250066	50-206 P	HEISHMAN, R. F.	7811130425	50-341
HARDIN, A. K.	7812050018*	50-348 Q	HAYNES, J. Q.	7810270214	50-206 Q	HEISHMAN, R. F.	7812280237	50-367
HARDING, V. R.	7812180439*	50-498 Q	HAYNES, J. Q.	7811010167	50-361 H	HEISHMAN, R. F.	7812280006	50-329
HARDING, V. R.	7812180441	50-344 Q	HAYNES, J. Q.	7811070243	50-206 P	HEISHMAN, R. F.	7811280373	50-341
HARDING, V. R.	7812190196	50-502 Q	HAYNES, J. Q.	7811060104	50-206 F	HEISHMAN, R. F.	7812190109	50-341
HARDING, V. R.	7812220026	50-393 Q	HAYNES, D. W.	7812060070*	50-329 Q	HEISHMAN, R. F.	7812010051	50-440
HARDING, V. R.	7812220028	50-302 Q	HAYNES, J. Q.	7811080105	50-206 F	HEISHMAN, R. F.	7812010054	50-358
HARDING, L. W.	7812190134*	50-320 R	HAYNES, R. C.	7812210153*	50-460 Q	HEISHMAN, R. F.	7812190158	50-329
HARDWICK, R. J.	7812120045*	50-393 Q	HAYNES, J. Q.	7811210316	50-206 P	HEISHMAN, R. F.	7812200306	50-374
HARDY, H.	7812140325	50-437 H	HAYNES, J. Q.	7811020377	50-206 P	HEISHMAN, R. F.	7812210069	50-346
HARLESS, B. L.	7811240085	50-461 H	HAYNES, J. Q.	7811220146	50-206 P	HEISHMAN, R. F.	7812210120	50-266
HARPBSTER, T. L.	7812140016*	50-263 Q	HAYNES, D. W.	7812210075*	50-346 Q	HEISHMAN, R. F.	7812270074	50-409
HARPBSTER, T. L.	7812200295*	50-388 Q	HAYNES, R. C.	7812280246*	50-361 Q	HEISHMAN, R. F.	7812040287	50-329
HARRIS, F. R.	7811200437*	50-437 A	HAYNES, J. Q.	7811280212	50-206 P	HEISHMAN, R. F.	7811290293	50-329
HARRISON, G. A.	7811060093*	50-556 Q	HAYNES, J. Q.	7812050186	50-206 F	HEISHMAN, R. F.	7812010155	50-329
HARRIS, J. K.	7811130108*	50-327 Q	HAYNES, R. C.	7812280224*	50-361 Q	HEISHMAN, R. F.	7812030102	50-329
HARRIS, B. W.	7810170203*	50-249 S	HAYNES, J. Q.	7812050219	50-206 F	HEISHMAN, R. F.	7812140366	50-329
HARRIS, J. R.	7811280054*	50-556 Q	HAYNES, J. Q.	7812200132	50-206 P	HEISHMAN, R. F.	7812040365	50-358
HARRIS, J. R.	7812010040*	50-566 Q	HAYNES, J. Q.	7812190130	50-206 H	HEISHMAN, R. F.	7812180192	50-374
HARRISON, H. C.	7811170174*	50-556 Q	HAYNES, J. Q.	7812270165	50-206 P	HEISHMAN, R. F.	7812120193	50-358
HARRISON, M. F.	7810240109	50-546 A	HAYNES, J. Q.	7812270205	50-361 K	HEISHMAN, R. F.	7812130198	50-358
HARRISON, M. F.	7811200109	50-546 P	HEAD, J. T.	7810180089	50-206 B	HEISHMAN, R. F.	7812140289	50-456
HARRIS, J. R.	7812070023*	50-518 Q	HEAD, J. T.	7810180157	50-206 B	HEISHMAN, R. F.	7812290241	50-461
HARRISON, H. Q.	7812060152	50-329 Q	HEAD, J. T.	7810250123	50-206 B	HEISHMAN, R. F.	7812280217	50-367
HARRINGTON, J.	7811060097	50-568 C	HEAD, J. T.	7810300098	50-206 P	HEISHMAN, R. F.	7812290251	50-341
HARRIS, J. R.	7812060291*	50-327 Q	HEAD, J. T.	7811280245	50-206 P	HELTENES, C. J.	7810180185	50-393
HARRISON, A.	7811240169	50-466 D	HEAD, J. T.	7811280277	50-206 B	HELTENES, C. J.	7811070365	50-584
HARRIS, J. R.	7812150040*	50-327 Q	HEAD, J. T.	7812220082	50-206 F	HELTENES, C. J.	7811130387	50-584
HARRINGTON, J.	7811210364	50-568 A	HEARN, P. C.	7811290307	50-275 F	HELTENES, C. J.	7811130437	50-470
HARRIS, J. R.	7812290111*	50-553 Q	HEISHMAN, R. F.	7810260169	50-341 Q	HELTENES, C. J.	7811280134	50-495
HARRINGTON, J.	7811280040	50-568 A	HEISHMAN, R. F.	7810190219	50-454 Q	HELTENES, C. J.	7812040203	50-470
HARRIS, J. L.	7812140280	50-498 H	HEISHMAN, R. F.	7810110178	50-367 Q	HELTENES, C. J.	7812110250	50-495
HARRIS, J.	7812130279*	50-491 Q	HEISHMAN, R. F.	7810190026	50-305 Q	HELTENES, C. J.	7812130290	50-584
HARRINGTON, J.	7812040131	50-568 A	HEISHMAN, R. F.	7810100050	50-358 Q	HELTENES, C. J.	7812180403	50-584
HARRISON, H. C.	7812290244*	50-267 G	HEISHMAN, R. F.	7811010047	50-373 Q	HELTENES, C. J.	7812140358	50-584
HARRIS, J. L.	7812180412	50-498 H	HEISHMAN, R. F.	7811090004	50-341 Q	HENDRIE, J. M.	7810300354*	50-201
HART, O.	7812130326	50-400 U	HEISHMAN, R. F.	7810300113*	50-341 Q	HENDRIE, J. M.	7811200170*	50-437
HART, R. D.	7812150279	50-346 H	HEISHMAN, R. F.	7811130340	50-329 Q	HENDRIE, J. M.	7811200242*	50-437
HARTIGAN, J. P.	7812050162*	50-346 B	HEISHMAN, R. F.	7811020166	50-315 Q	HENDRICKSON, R.	7811060074*	50-116
HARTIGAN, J. P.	7811200212*	50-346 B	HEISHMAN, R. F.	7810201066	50-341 Q	HENDRIE, J. M.	7811200291*	50-437
HARTIGAN, J. P.	7812010213*	50-346 B	HEISHMAN, R. F.	7811300228	50-358 Q	HENDRIE, J. M.	7811200238*	50-437
HARTLEY, T. P.	7811070157	50-272 J	HEISHMAN, R. F.	7811090001	50-367 Q	HENDRIE, J. M.	7810140039*	50-213
HARTLEY, T. P.	7812040223	50-272 J	HEISHMAN, R. F.	7811210103	50-440 Q	HENDRIE, J. M.	7811200006	50-437
HARTMAN, C. J.	7811210350	50-155 S	HEISHMAN, R. F.	7811140268	50-341 Q	HENDRICKSON, R.	7811060073	50-116
HARTMAN, C. J.	7812120109	50-155 R	HEISHMAN, R. F.	7810190153	50-456 Q	HENDRIE, J. M.	7812130016	50-549
HABELTINE, J. D.	7811090256	50-442 A	HEISHMAN, R. F.	7811140048	50-329 Q	HENNESSEY, R. J.	7810140060*	50-297
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HAVERKAMP, D. R.	7810190006*	50-320 Q	HEISHMAN, R. F.	7810300236	50-456 Q	HERBEIN, J. Q.	7810100046	50-320
HAVERKAMP, D. R.	7811090290*	50-320 Q	HEISHMAN, R. F.	7810310326	50-483 B	HERBEIN, J. Q.	7810110130	50-320

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HERBEIN, J. Q.	7812130193	50-320 B	HIND, J. A.	7811090040	50-87 Q	HOOKER, K.	7812060302*	50-466
HERBEIN, J. Q.	7812180187	50-320 P	HIND, J. A.	7811280468	50-10 Q	HOOKER, K.	7812110318	50-466
HERBEIN, J. Q.	7812200278	50-320 B	HIND, J. A.	7812140086*	50-10 Q	HOOKER, K.	7812050294	50-466
HERBEIN, J. Q.	7812120092	50-289 H	HIND, J. A.	7812080217	50-155 Q	HOOKER, K.	7812040361	50-466
HERBEIN, J. Q.	7812190096	50-320 P	HIND, J. A.	7812280323	50-331 Q	HOOKER, K.	7812110103	50-466
HERBEIN, J. Q.	7812190113	50-289 F	HINDERSSTEIN, C.	7810230248	50-466 Q	HOOKER, K.	7812120215	50-466
HERBEIN, J. Q.	7812190166	50-289 R	HINDERSSTEIN, C.	7811130136	50-466 Q	HOOPER, D. M.	7812101026*	50-338
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HERBEIN, J. Q.	7812290131	50-320 P	HINKEL, L.	7812130015	50-70 Q	HOSEY, C. H.	7812050031*	50-269
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HERBEIN, J. Q.	7812290086	50-289 P	HJELMFELT, D. C.	7812150279	50-346 H	HOWARD, J. E.	7810170160	50-471
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HERBST, J. E.	7812210209*	50-275 A	HODGEB, J. W.	7812140099*	50-265 Q	HOWE, P. H.	7811300163	50-400
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HERDT, A. R.	7811030092*	50-438 Q	HOEFLING, R. K.	7811200008	50-322 Q	HOWE, P. H.	7812210319	50-400
HERDT, A. R.	7810230239	50-553 Q	HOEFLING, R. K.	7811200022	50-322 Q	HOWELL, S. H.	7810160196	50-329
HERDT, A. R.	7811030054*	50-424 Q	HOEFLING, R. K.	7812010198	50-276 Q	HOWELL, S. H.	7810190046	50-329
HERDT, A. R.	7811130108	50-327 Q	HOEFLING, R. K.	7812140026	50-322 Q	HOWELL, S. H.	7810180095	50-329
HERDT, A. R.	7811130120*	50-438 Q	HOEFLING, R. K.	7812140342	50-322 Q	HOWELL, S. H.	7810230192	50-329
HERDT, A. R.	7811140253*	50-518 Q	HOEFLING, R. K.	7812270042	50-322 Q	HOWELL, S. H.	7810250099	50-329
HERDT, A. R.	7811140253*	50-518 Q	HOFFMAN, R. P.	7810160017	50-305 Q	HOWELL, S. H.	7811080015	50-329
HERDT, A. R.	7811210088*	50-339 Q	HOFFMAN, D. P.	7810170244	50-255 B	HOWELL, S. H.	7811070236	50-329
HERDT, A. R.	7811200188*	50-518 Q	HOFFMAN, D. P.	7810100015	50-255 B	HOWELL, S. H.	7810270142	50-329
HERDT, A. R.	7811240048*	50-424 Q	HOFFMAN, D. P.	7810110111	50-255 P	HOWELL, S. H.	7811070149	50-329
HERDT, A. R.	7811220284*	50-395 Q	HOFFMAN, D. P.	7810190233	50-255 R	HOWELL, S. H.	7811280124	50-329
HERDT, A. R.	7811300170*	50-400 Q	HOFFMAN, D. P.	7810110164	50-155 P	HOWELL, S. H.	7811090143	50-329
HERDT, A. R.	7812130005*	50-327 Q	HOFFMAN, D. P.	7810130137	50-255 R	HOWELL, S. H.	7811170212	50-329
HERDT, A. R.	7812080052*	50-518 Q	HOFFMAN, D. P.	7810190218	50-155 P	HOWELL, S. H.	7811170222	50-329
HERDT, A. R.	7812180353*	50-416 Q	HOFFMAN, D. P.	7810270075*	50-155 P	HOWELL, S. H.	7811170294	50-329
HERDT, A. R.	7812130298*	50-491 Q	HOFFMAN, D. P.	7811200079	50-255 Q	HOWELL, S. H.	7811170298*	50-329
HERDT, A. R.	7812210044*	50-413 Q	HOFFMAN, D. P.	7811070210	50-255 B	HOWELL, S. H.	7811200189	50-329
HERDT, A. R.	7812210343*	50-400 Q	HOFFMAN, D. P.	7811070217	50-155 B	HOWELL, S. H.	7811200121	50-329
HERDT, A. R.	7812290070*	50-438 Q	HOFFMAN, D. P.	7811070183	50-255 B	HOWELL, S. H.	7811220176	50-329
HERNANDEZ, O.	7812270391*	50-508 Q	HOFFMAN, D. P.	7811140023	50-255 B	HOWELL, J. C.	7812140086*	50-10
HERRING, K. S.	7810260228*	50-344 Q	HOFFMAN, D. P.	7812060022	50-255 Q	HOWELL, S. H.	7811270147	50-329
HERRING, K. S.	7810300077*	50-344 Q	HOFFMAN, D. P.	7811200112	50-255 R	HOWELL, S. H.	7811270152	50-329
HERRING, K. S.	7812130106*	50-344 Q	HOFFMAN, D. P.	7812103030	50-255 B	HOWELL, S. H.	7812010251	50-329
HETZEL, W. C.	7811220198	50-332 Q	HOFFMAN, D. P.	7812060024	50-255 Q	HOWELL, S. H.	7812040218	50-329
HICKLE, B. J.	7810130126*	50-285 R	HOFFMAN, D. P.	7812060361	50-255 Q	HOWELL, S. H.	7812080249	50-329
HICKLE, B. J.	7811140161*	50-285 R	HOFFMAN, D. P.	7812040164	50-255 P	HOWELL, S. H.	7812120068	50-329
HICKLE, B. J.	7812130181*	50-285 R	HOFFMAN, D. P.	7812050119	50-255 P	HOWELL, S. H.	7812140080	50-329
HIEBAND, O. B.	7810130229	50-409 Q	HOFFMAN, D. P.	7812050167	50-255 B	HOWELL, S. H.	7812120104	50-329
HIEBAND, O. B.	7810230136	50-409 Q	HOFFMAN, D. P.	7812120100	50-255 P	HOWELL, S. H.	7812120111*	50-329
HIEBAND, O. B.	7810140029	50-409 Q	HOFFMAN, D. P.	7812110806	50-255 B	HOWELL, S. H.	7812120154	50-329
HIEBAND, O. B.	7810140104	50-409 Q	HOFFMAN, D. P.	7812120099	50-255 B	HOWELL, S. H.	7812270184	50-329
HIEBAND, O. B.	7810270300	50-409 Q	HOFFMAN, D. P.	7812130133	50-155 P	HOWELL, S. H.	7812270254	50-329
HIEBAND, O. B.	7811070316	50-409 Q	HOFFMAN, D. P.	7812130161	50-155 P	HOWELL, S. H.	7812290146	50-329
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HIEBAND, O. B.	7811160167	50-409 Q	HOFFMAN, D. P.	7812220106	50-255 B	HOWLETT, O. H.	7811140113*	50-336
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HUFHAM, J. W.	7812210076*	50-230	O	IPPOLITO, T. A.	7811060125*	50-277	P	JABLON, R. A.	7811200103	50-309
HUFHAM, J. W.	7812290066*	50-339	O	IPPOLITO, T. A.	7811060130*	50-277	P	JABLON, R. A.	7811001163	50-498
HUGHES, J.	7811020168*	50-341	O	IPPOLITO, T. A.	7811030205	50-331	P	JABLON, R. A.	7812040260	50-389
HUGHES, H. O.	7810250039	50-206	J	IPPOLITO, T. A.	7811030208*	50-331	P	JABLON, R. A.	7812180245	50-329
HUGHES, J.	7811210436*	50-266	O	IPPOLITO, T. A.	7811030210*	50-331	P	JABLON, R. A.	7812270071	50-250
HUGHES, J.	7811300268*	50-10	O	IPPOLITO, T. A.	7811030006	50-220	P	JABLON, R. A.	7812270063	50-389
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HUGHES, J.	7812130338*	50-293	O	IPPOLITO, T. A.	7811160022	50-220	P	JACK, I. W. N.	7811210220*	50-331
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HULMAN, L. O.	7811200375*	50-437	A	IPPOLITO, T. A.	7811220140*	50-263	P	JACKSON, L. L.	7810270221*	50-327
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HUME, O. H.	7810270167	50-443	A	IPPOLITO, T. A.	7811220248	50-298	F	JACKSON, J. B.	7810180143	50-427
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HUMPHREYS, L. L.	7811070246	50-510	A	IPPOLITO, T. A.	7811270110*	50-263	P	JACKSON, L. L.	7812110225*	50-280
HUMPHREYS, L. L.	7812260166	50-458	A	IPPOLITO, T. A.	7811240058	50-220	P	JACKSON, T. J.	7812290078*	50-201
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HUNSTAD, A. A.	7810180013*	50-282	S	IPPOLITO, T. A.	7811270246*	50-333	P	JACOBSON, N.	7810190133*	50-246
HUNSTAD, A. A.	7810120031*	50-282	R	IPPOLITO, T. A.	7811270253*	50-333	P	JACOBSON, O. W.	7812050180	50-582
HUNSTAD, A. A.	7810120033*	50-282	R	IPPOLITO, T. A.	7811300058	50-237	P	JAMES, E. W.	7810100055	50-305
HUNSTAD, A. A.	7810180025*	50-306	B	IPPOLITO, T. A.	7811300064*	50-237	P	JAMES, E. W.	7811220041	50-309
HUNSTAD, A. A.	7811140117*	50-282	R	IPPOLITO, T. A.	7811300067*	50-237	P	JAMES, E. W.	7810110093	50-305
HUNSTAD, A. A.	7812120094*	50-282	R	IPPOLITO, T. A.	7811300070*	50-237	P	JAMES, E. W.	7810130149	50-305
HUNSTAD, A. A.	7812140161*	50-306	S	IPPOLITO, T. A.	7811300073*	50-237	P	JAMES, E. W.	7810230247	50-305
HUNSTAD, A. A.	7812260209*	50-282	S	IPPOLITO, T. A.	7811300085*	50-237	P	JAMES, E. W.	7810170156	50-305
HUNSTAD, A. A.	7812260237*	50-306	S	IPPOLITO, T. A.	7811290367	50-263	P	JAMES, E. W.	7811070227	50-305
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HUNT, M. D.	7810230223*	50-413	O	IPPOLITO, T. A.	7812050009*	50-259	P	JAMES, E. W.	7810270139	50-305
HUNT, M. D.	7811090269*	50-332	O	IPPOLITO, T. A.	7812050017*	50-259	P	JAMES, E. W.	7810300105	50-305
HUNT, M. D.	7811240068*	50-424	O	IPPOLITO, T. A.	7812050026*	50-259	P	JAMES, E. W.	7811140116	50-305
HUNT, M. D.	7812070030*	50-364	O	IPPOLITO, T. A.	7812050036	50-333	P	JAMES, E. W.	7811220196	50-305
HUNT, M. D.	7812270372*	50-369	O	IPPOLITO, T. A.	7812050343*	50-333	P	JAMES, E. W.	7811280299	50-305
HUNT, M. D.	7812110313*	50-364	O	IPPOLITO, T. A.	7812050351*	50-333	P	JAMES, E. W.	7812080108	50-305
HUNTER, D. R.	7811300318*	50-235	O	IPPOLITO, T. A.	7812060003	50-321	P	JAMES, E. W.	7812150232	50-305
HUNTER, D. R.	7811300141*	50-135	O	IPPOLITO, T. A.	7812060009*	50-321	P	JAMES, E. W.	7812210194	50-305
HUNTER, D. R.	7811300354*	50-235	O	IPPOLITO, T. A.	7812060119*	50-321	P	JAMES, E. W.	7812270171	50-305
HUBAIN, I.	7810160146*	50-409	P	IPPOLITO, T. A.	7811290078	50-277	F	JANAK, S.	7812110054	50-498
HUTCHISON, F. D.	7811080033*	50-384	A	IPPOLITO, T. A.	7812050012	50-259	P	JANAK, S.	7812110057*	50-498
HUTSON, T. W.	7810110259*	50-344	O	IPPOLITO, T. A.	7810500016*	50-259	P	JANSEN, T.	7810240141*	50-249
HUTSON, T. W.	7812270391*	50-308	O	IPPOLITO, T. A.	7812050020*	50-259	P	JANSEN, T.	7811030191*	50-249
IANNI, P. W.	7812010249*	50-447	A	IPPOLITO, T. A.	7812060062	50-259	P	JANSEN, T.	7811280199*	50-249
IBSON, A. F.	7810300385*	50-369	O	IPPOLITO, T. A.	7812080168	50-333	P	JANSEN, T.	7812180178*	50-249
IDKOR, R. E.	7811210192*	50-368	R	IPPOLITO, T. A.	7812080170*	50-333	P	JANSEN, T.	7812270215*	50-237
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IRATO, R.	7810190220*	50-484	O	IPPOLITO, T. A.	7812110319	50-333	P	JANUSKA, A. O.	7810110270*	50-346
IRATO, R.	7810300369	50-484	O	IPPOLITO, T. A.	7812110320*	50-333	P	JANUSKA, A. O.	7811300401*	50-263
IPPOLITO, T. A.	7810200804	50-333	P	IPPOLITO, T. A.	7812110323*	50-333	P	JANUSKA, A. O.	78121290331*	50-249
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IPPOLITO, T. A.	7810190043	50-271	P	IPPOLITO, T. A.	7812110062	50-271	P	JENSCH, B. W.	7811090286	50-522
IPPOLITO, T. A.	7810130232*	50-277	P	IPPOLITO, T. A.	7812110067	50-331	P	JENSCH, B. W.	7812040347	50-522
IPPOLITO, T. A.	7811010390	50-277	P	IPPOLITO, T. A.	7812110018	50-298	P	JENSCH, B. W.	7812050277	50-522

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JENSCHE, S. W.	7812070273	50-522 Q	KAFIN, R. J.	7812180406	50-549 Q	KELLY, D. L.	7810130053	50-133
JERNIGAN, E. P.	7811130151	50-387 Q	KAFQURY, G.	7810270341	50-344 Q	KELMON, R. M.	7812050228	50-293
JOHN, D. F.	7810260008	50-498 M	KAFQURY, G.	7811140027	50-344 Q	KENDALL, D. M.	7812000014	50-498
JOHN, D. F.	7812040050	50-498 M	KATNER, O. J.	7811210123	50-466 Q	KENNA, W. B.	7810270103	50-133
JOHN, D. F.	7812270416	50-498 M	KALIVIANAKIS, N.	7811210198	50-265 B	KENNA, W. B.	7811130003	50-250
JOHNE, C.	7810160132	50-466 H	KALIVIANAKIS, N.	7810170172	50-265 B	KENNA, W. B.	7810110198	50-83
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JOHNSON, R. W.	7810270196	50-334 Q	KALIVIANAKIS, N.	7811070232	50-254 B	KENNA, W. B.	7811100124	50-254
JOHNSON, E. H.	7810120016	50-298 Q	KALIVIANAKIS, N.	7811240175	50-254 B	KENNA, W. B.	7810110187	50-83
JOHNSON, W. D.	7811030036	50-285 Q	KALIVIANAKIS, N.	7811240222	50-265 B	KENNA, W. B.	7810140057	50-297
JOHNSON, E. H.	7811060055	50-298 Q	KALIVIANAKIS, N.	7811240237	50-254 P	KENNA, W. B.	7810260015	50-280
JOHNSON, R. W.	7810140087	50-344 Q	KALIVIANAKIS, N.	7811240192	50-265 B	KENNA, W. B.	7811010298	50-303
JOHNSON, R. W.	7810140122	50-344 Q	KALIVIANAKIS, N.	7811240179	50-254 B	KENNA, W. B.	7811010175	50-140
JOHNSON, D. F.	7811080096	50-317 Q	KALIVIANAKIS, N.	7811070118	50-254 B	KENNA, W. B.	7811060036	50-328
JOHNSON, G. W.	7810240094	50-133 Q	KALIVIANAKIS, N.	7811240203	50-265 B	KENNA, W. B.	7810240322	50-260
JOHNSON, A.	7811130381	50-369 Q	KALIVIANAKIS, N.	7811240239	50-265 B	KENNA, W. B.	7811030043	50-321
JOHNSON, L. C.	7811070294	50-243 P	KALIVIANAKIS, N.	7811240153	50-265 B	KENNA, W. B.	7811090198	50-250
JOHNSON, M. C.	7810130046	50-395 Q	KALIVIANAKIS, N.	7811220031	50-254 R	KENNA, W. B.	7811100103	50-254
JOHNSON, W. D.	7811210501	50-313 Q	KALIVIANAKIS, N.	7812110181	50-254 B	KENNA, W. B.	7811140257	50-341
JOHNSON, W. P.	7810110163	50-29 P	KALIVIANAKIS, N.	7812110176	50-254 B	KENNA, W. B.	7811100082	50-250
JOHNSON, D. F.	7811150276	50-317 Q	KALIVIANAKIS, N.	7812200235	50-254 R	KENNA, W. B.	7811100106	50-321
JOHNSON, R. W.	7810130150	50-344 Q	KALIVIANAKIS, N.	7812270225	50-254 P	KENNA, W. B.	7811090009	50-321
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JOHNSON, R.	7811240201	50-295 B	KALMAN, G.	7812010031	50-277 Q	KENNA, W. B.	7812110246	50-321
JOHNSON, R.	7811240223	50-295 B	KALMAN, G.	7812010276	50-219 Q	KENNA, W. B.	7812130010	50-321
JOHNSON, M. C.	7811080151	50-395 Q	KALTMAN, M.	7810270162	50-443 A	KENNA, W. B.	7811200335	50-280
JOHNSON, A. H.	7812120237	50-250 Q	KAMINSKAS, V. A.	7812140152	50-251 P	KENNA, W. B.	7812210355	50-250
JOHNSON, W. P.	7810240085	50-29 P	KANGIRUK, P.	7810140076	50-395 T	KENNA, W. B.	7812120242	50-321
JOHNSON, R. W.	7811070364	50-344 Q	KANE, G.	7812200262	50-260 R	KENNA, W. B.	7812290101	50-300
JOHNSON, M. C.	7811090232	50-395 Q	KANE, H. F.	7812130144	50-350 A	KENNA, W. B.	7811300003	50-321
JOHNSON, M. C.	7811150062	50-395 Q	KANE, W. F.	7812290012	50-447 A	KENNA, W. B.	7811300010	50-321
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JOHNSON, E. H.	7812180356	50-298 Q	KAPPE, A. W.	7810100089	50-272 B	KENNA, W. B.	7812120053	50-321
JOHNSON, P. H.	7812130350	50-167 Q	KAPPE, A. W.	7810200125	50-272 B	KENNA, W. B.	7812120057	50-321
JOHNSON, R. Q.	7811140180	50-263 J	KAPPE, A. W.	7810220249	50-272 B	KENNA, W. B.	7812120063	50-321
JOHNSON, W. D.	7812060381	50-288 Q	KAPPE, A. W.	7810220255	50-272 B	KENNA, W. B.	7812120157	50-321
JOHNSON, C.	7811210044	50-466 Q	KAPPE, A. W.	7810230304	50-272 B	KENNA, W. B.	7812120164	50-41
JOHNSON, R. W.	7811300374	50-344 P	KAPPE, A. W.	7810310240	50-272 B	KENNA, W. B.	7812120175	50-43
JOHNSON, M. C.	7811220280	50-393 Q	KAPPE, A. W.	7811070265	50-272 B	KENNA, W. B.	7812120180	50-34
JOHNSON, M. C.	7812060028	50-395 Q	KAPPE, A. W.	7811070181	50-272 B	KENNA, W. B.	7812120185	50-34
JOHNSON, D. F.	7812290034	50-317 Q	KAPPE, A. W.	7811070268	50-272 B	KENNA, W. B.	7812120189	50-41
JOHNSON, M. C.	7812040167	50-395 Q	KAPPE, A. W.	7811200203	50-272 B	KENNA, W. B.	7812120197	50-30
JOHNSON, A. D.	7812140039	50-312 Q	KAPPE, A. W.	7811240137	50-272 B	KENNA, W. B.	7812140055	50-34
JOHNSON, M. C.	7812060374	50-395 Q	KAPPE, A. W.	7811280313	50-272 B	KENNA, W. B.	7812140255	50-40
JOHNSON, E. H.	7812210184	50-298 Q	KAPPE, A. W.	7812140169	50-272 B	KENNA, W. B.	7812130294	50-321
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JOHNSON, R. W.	7812140267	50-344 Q	KARMAN, M.	7812130149	50-263 Q	KENNA, W. B.	7812180352	50-28
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JOHNSON, A. H.	7812060333	50-269 Q	KAHULA, L.	7812120344	50-3 R	KENRICK, J. R.	7810160112	50-40
JOHNSON, R. W.	7811280327	50-344 Q	KAHULA, L.	7812210211	50-3 R	KENRICK, J. R.	7810230383	50-42
JOHNSON, R. W.	7811280317	50-344 P	KEANE, B. E.	7812130920	50-305 Q	KENRICK, J. R.	7811150257	50-42
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JOHNSON, R. W.	7812140377	50-344 Q	KEARNEY, P.	7810170196	50-368 B	KEPPLER, J. Q.	7812040172	50-25
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JOHNSON, P. H.	7812270382	50-397 Q	KEBLUSEK, S.	7812130377	50-369 A	KEPPLER, J. Q.	7810110269	50-321
JOHNSON, R. W.	7812270096	50-344 P	KEEFE, F. T.	7810230197	50-496 A	KEPPLER, J. Q.	7810140050	50-321
JOHNSON, R. W.	7812280179	50-344 Q	KEHGE, D. V.	7812010338	50-320 Q	KEPPLER, J. Q.	7810110257	50-44
JOHNSON, M. C.	7812280302	50-395 Q	KEILER, E. H.	7811010389	50-524 A	KEPPLER, J. Q.	7811080104	50-321
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JONES, Y. I.	7811010324	50-275 Q	KEIMIO, R. R.	7811150105	50-309 Q	KEPPLER, J. Q.	7810300106	50-304
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JONES, C. E.	7811210013	50-466 Q	KEIMIO, R.	7812010062	50-286 Q	KEPPLER, J. Q.	7810110053	50-44
JONES, C. E.	7812040163	50-346 Q	KEIMIO, R. R.	7812270423	50-272 Q	KEPPLER, J. Q.	7811080101	50-321
JONES, E. D.	7812150240	50-245 Q	KEIMIO, R. R.	7812280012	50-272 Q	KEPPLER, J. Q.	7810102993	50-321
JONES, C. E.	7812070108	50-436 Q	KEIMIO, R. R.	7812290034	50-317 Q	KEPPLER, J. Q.	7811170260	50-321
JONES, C. E.	7812210075	50-846 Q	KEIMIO, R. R.	7812270153	50-324 Q	KEPPLER, J. Q.	7810110228	50-42
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JONES, D.	7812200272	50-285 B	KEITH, R. B.	7812270282	50-316 B	KEPPLER, J. Q.	7810130088	50-41
JORDAN, E. L.	7811280493	50-331 P	KELLEY, D. L.	7810120016	50-298 Q	KEPPLER, J. Q.	7810130188	50-41
JORDAN, E. D.	7810170186	50-77 P	KELLEY, J. L.	7810300262	50-389 B	KEPPLER, J. Q.	7811300225	50-321
JORDAN, W. H.	7811080073	50-468 Q	KELLEY, J. J.	7811140205	50-336 B	KEPPLER, J. Q.	7810280211	50-321
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JORGENSEN, B. L.	7811300354	50-258 Q	KELLEHER, J. A.	7811220096	50-549 T	KEPPLER, J. Q.	7810230328	50-321
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JOYNER, J. H.	7810270113	50-13 Q	KELLOPP, P. J.	7810110262	50-280 Q	KEPPLER, J. Q.	7810230334	50-321
JOYNER, J. H.	7811010099	50-277 Q	KELLOPP, P. J.	7810310144	50-261 Q	KEPPLER, J. Q.	7810230336	50-321
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JULIAN, C. A.	7812130317	50-269 Q	KELLOPP, P. J.	7810310116	50-338 Q	KEPPLER, J. Q.	7810230341	50-321
JUTRAS, R.	7812140154	50-280 B	KELLOPP, P. J.	7811220044	50-321 Q	KEPPLER, J. Q.	7810230343	50-321
KAFIN, R. J.	7810200136	50-549 Q	KELLOPP, P. J.	7811130229	50-348 Q	KEPPLER, J. Q.	7810230346	50-321
KAFIN, R. J.	7810270283	50-849 Q	KELLOPP, P. J.	7812140156	50-280 Q	KEPPLER, J. Q.	7810230356	50-321
KAFIN, R. J.	7812180052	50-849 Q	KELLOPP, P. J.	7812210350	50-302 Q	KEPPLER, J. Q.	7810230357	50-321

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KEPPLER, J. O	7810200349	50-254 F	KEPPLER, J. O	7812280047	50-315 Q	KNOP, R. C	7810250222*	50-331 Q
KEPPLER, J. O	7811030206	50-483 H	KEPPLER, J. O	7812280052	50-331 Q	KNOP, R. C	7811010022*	50-10 Q
KEPPLER, J. O	7812050011	50-10 Q	KEPPLER, J. O	7812280053	50-303 Q	KNOP, R. C	7811080074*	50-295 Q
KEPPLER, J. O	7812050027*	50-10 Q	KEPPLER, J. O	7812280055	50-409 Q	KNOP, R. C	7812040046*	50-254 Q
KEPPLER, J. O	7811060072	50-266 Q	KEPPLER, J. O	7812280056	50-155 Q	KNOP, R. C	7812050027*	50-10 Q
KEPPLER, J. O	7811080190	50-346 P	KEPPLER, J. O	7812280057	50-341 Q	KNOP, R. C	7812050236*	50-295 Q
KEPPLER, J. O	7811130038	50-282 P	KEPPLER, J. O	7812280059	50-253 Q	KNOP, R. C	7812270070*	50-346 Q
KEPPLER, J. O	7811140022	50-282 P	KEPPLER, J. O	7812280062	50-282 Q	KNOTT, J. B.	7812180278	50-498 M
KEPPLER, J. O	7811160191	50-282 P	KEPPLER, J. O	7812280064	50-484 Q	KNOTT, J. B.	7810110064	50-397 Q
KEPPLER, J. O	7811130052	50-331 F	KEPPLER, J. O	7812280065	50-263 Q	KNOTT, J. B.	7810200139	50-498 M
KEPPLER, J. O	7811150066	50-409 Q	KEPPLER, J. O	7812290013	50-329 Q	KNOTT, J. B.	7810110279	50-445 Q
KEPPLER, J. O	7811130031	50-303 Q	KEPPLER, J. O	7812290016	50-358 Q	KNOTT, J. B.	7810140141	50-445 M
KEPPLER, J. O	7811150004	50-461 Q	KEPPLER, J. O	7812290018	50-367 Q	KNOTT, J. B.	7811070174	50-498 M
KEPPLER, J. O	7811150024	50-546 Q	KEPPLER, J. O	7812290021	50-461 Q	KNOTT, J. B.	7811150021	50-397 Q
KEPPLER, J. O	7811150025	50-440 Q	KEPPLER, J. O	7812290023	50-346 Q	KNOTT, J. B.	7811300008	50-445 M
KEPPLER, J. O	7811150031	50-341 Q	KEPPLER, J. O	7812290026	50-10 Q	KNOTT, J. B.	7812200224	50-445 A
KEPPLER, J. O	7811150036	50-358 Q	KEPPLER, J. O	7812290037	50-546 Q	KNOTT, J. B.	7812290123	50-445 M
KEPPLER, J. O	7811150044	50-367 Q	KERR, W.	7811080135	50-2 Q	KNUTH, D. F.	7811200147*	50-437 A
KEPPLER, J. O	7811150048	50-484 Q	KETCHEN, E. O.	7810110035	50-369 Q	KNUTH, D. F.	7811200151*	50-437 A
KEPPLER, J. O	7811150051	50-155 Q	KETCHEN, E. O.	7810140152	50-566 Q	KNUTH, D. F.	7811200114*	50-437 A
KEPPLER, J. O	7811150054	50-263 Q	KETCHEN, E. O.	7810200006	50-369 Q	KOCH, L. J.	7812260141	50-461 A
KEPPLER, J. O	7811150057	50-329 Q	KETCHEN, E. O.	7810200241	50-369 Q	KOCHANNY, Q. L.	7810300037	50-264 F
KEPPLER, J. O	7811150059	50-483 Q	KETCHEN, E. O.	7811090262	50-369 Q	KOCHER, C. A.	7811060050	50-361 Q
KEPPLER, J. O	7811150061	50-315 Q	KETCHEN, E. O.	7811160016	50-369 Q	KOENIG, L. R.	7811200019*	50-437 A
KEPPLER, J. O	7811150063	50-10 Q	KETCHEN, E. O.	7811200074	50-566 Q	KOESTER, Q. L.	7812110282*	50-482 A
KEPPLER, J. O	7811150068	50-331 Q	KETCHEN, E. O.	7811210100	50-369 Q	KOESTER, Q. L.	7812110276*	50-482 A
KEPPLER, J. O	7811150069	50-346 Q	KETCHEN, E. O.	7811210119	50-566 Q	KOESTER, Q. L.	7811030217	50-482 A
KEPPLER, J. O	7811150071	50-266 Q	KETCHEN, E. O.	7812010087	50-369 Q	KOESTER, Q. L.	7811160186*	50-482 B
KEPPLER, J. O	7811150072	50-305 Q	KETCHEN, E. O.	7811220149	50-566 Q	KOESTER, Q. L.	7811160189*	50-482 B
KEPPLER, J. O	7811130137	50-440 A	KETCHEN, E. O.	7812050088	50-369 Q	KOESTER, Q. L.	7810250031*	50-482 Q
KEPPLER, J. O	7811130141	50-305 P	KETCHEN, E. O.	7812050065	50-460 Q	KOESTER, Q. L.	7810270320	50-482 A
KEPPLER, J. O	7811130143	50-329 A	KETCHEN, E. O.	7812050091	50-566 Q	KOESTER, Q. L.	7812110271*	50-482 A
KEPPLER, J. O	7811130157	50-263 P	KETCHEN, E. O.	7812130038	50-566 Q	KOESTER, Q. L.	7811170249*	50-482 Q
KEPPLER, J. O	7811130159	50-484 A	KETCHEN, E. O.	7812070262	50-566 Q	KOESTER, Q. L.	7812200348	50-482 B
KEPPLER, J. O	7811130160	50-367 A	KETCHEN, E. O.	7812110327	50-513 Q	KOESTER, Q. L.	7812200349*	50-482 B
KEPPLER, J. O	7811130163	50-546 A	KETCHEN, E. O.	7812080225	50-269 Q	KOHLER, J. E.	7810270376*	50-301 Q
KEPPLER, J. O	7811130164	50-315 P	KETCHEN, E. O.	7812130146	50-273 Q	KOHLER, J. E.	7810310340*	50-316 Q
KEPPLER, J. O	7811130167	50-155 P	KETCHEN, E. O.	7812140346	50-273 Q	KOHLER, J. E.	7812140147*	50-266 Q
KEPPLER, J. O	7811130169	50-409 P	KETCHEN, E. O.	7812140344	50-273 Q	KOKOSZKA, C.	7811210284*	50-213 R
KEPPLER, J. O	7811130172	50-358 A	KEUCH, R. L.	7811290304*	50-70 Q	KOKOSZKA, C.	7811210284*	50-213 R
KEPPLER, J. O	7811130173	50-331 P	KEY, W. J.	7810110274*	50-358 Q	KONKLIN, J. E.	7810170252*	50-454 Q
KEPPLER, J. O	7811130174	50-483 A	KEY, W. J.	7811150088*	50-331 Q	KONKLIN, J. E.	7811210112*	50-440 Q
KEPPLER, J. O	7811140002	50-10 P	KEY, W. J.	7811280032*	50-331 Q	KONKLIN, J. E.	7811300254*	50-440 Q
KEPPLER, J. O	7811140275	50-346 P	KEY, W. J.	7811210024*	50-331 Q	KONKLIN, J. E.	7812060358*	50-454 Q
KEPPLER, J. O	7811140276	50-461 A	KEY, W. J.	7812140066*	50-331 Q	KONKLIN, J. E.	7812280316*	50-440 Q
KEPPLER, J. O	7811210482	50-282 P	KEY, W. J.	7812013014*	50-331 Q	KODI, H.	7812401177*	50-234 Q
KEPPLER, J. O	7812010083	50-282 P	KIDD, M. B.	7811270014*	50-338 Q	KOPACZ, T.	7811240193*	50-265 Q
KEPPLER, J. O	7812130033	50-315 Q	KIDD, M. B.	7812060336*	50-338 Q	KORCHVNSKY, M.	7811210339*	50-249 Q
KEPPLER, J. O	7812104557	50-255 Q	KIEGEL, J. A.	7812130100	50-331 H	KOTTAN, J. J.	7811020188*	50-271 Q
KEPPLER, J. O	7812010053	50-331 Q	KINDER, E. T.	7810180077	50-443 A	KOTTAN, J. J.	7812010150*	50-244 Q
KEPPLER, J. O	7811270291	50-331 P	KINTIGH, A. E.	7812290264	50-596 A	KOTTAN, J. J.	7812010041*	50-220 Q
KEPPLER, J. O	7812200292	50-358 Q	KINTIGH, A. E.	7812290265	50-596 A	KOTTAN, J. J.	7811300342*	50-213 Q
KEPPLER, J. O	7811300114	50-255 Q	KINTIGH, A. E.	7812290266	50-596 B	KOTTAN, J. J.	7812060244*	50-317 Q
KEPPLER, J. O	7812050263	50-409 Q	KINTIGH, A. E.	7812290267*	50-596 A	KOTTAN, J. J.	7812110235*	50-334 Q
KEPPLER, J. O	7812050271	50-264 Q	KINTNER, L. L.	7812040206	50-341 A	KO-TAN, J. J.	7812290078*	50-201 Q
KEPPLER, J. O	7812050274	50-346 Q	KINTNER, L. L.	7812130328	50-341 A	KO-VACH, B.	7811210352*	50-346 Q
KEPPLER, J. O	7812050278	50-263 Q	KIPPLER, B. I.	7812050257	50-303 Q	KOVACH, S. A.	7811210362*	50-346 Q
KEPPLER, J. O	7812050282	50-331 Q	KIRCH, D. F.	7812210133*	50-450 Q	KOVACH, S. A.	7811210375*	50-346 Q
KEPPLER, J. O	7812050287	50-10 Q	KIRBCH, D. F.	7810110259*	50-344 Q	KOVACH, S. A.	7810180042*	50-346 Q
KEPPLER, J. O	7812050300	50-358 Q	KIRBCH, D. F.	7810230054*	50-308 Q	KOVACH, S. A.	7810160140*	50-346 Q
KEPPLER, J. O	7812050303	50-346 Q	KISTER, H. B.	7811080077*	50-286 Q	KOVACH, S. A.	7810310201*	50-346 Q
KEPPLER, J. O	7812050308	50-483 Q	KISTER, H. B.	7811090017*	50-247 Q	KOVACH, S. A.	7811070267*	50-346 Q
KEPPLER, J. O	7812050311	50-315 Q	KISTER, H. B.	7812010103*	50-309 Q	KOVACH, S. A.	7811070275*	50-346 Q
KEPPLER, J. O	7812050314	50-155 Q	KISTER, H. B.	7812110310*	50-245 Q	KOVACH, S.	7812050206*	50-346 Q
KEPPLER, J. O	7812050325	50-440 Q	KISTER, H. B.	7812110301*	50-336 Q	KOVACH, S.	7812070201*	50-346 Q
KEPPLER, J. O	7812050333	50-329 Q	KISTER, H. B.	7812080147*	50-334 Q	KOVACH, S.	7812120146*	50-346 Q
KEPPLER, J. O	7812050335	50-341 Q	KISTER, H. B.	7812270449*	50-220 Q	KOVACH, S. A.	7812120181*	50-346 Q
KEPPLER, J. O	7812050337	50-461 Q	KISTER, H. B.	7812290033*	50-271 Q	KRAFT, D. C.	7811170293*	50-148 Q
KEPPLER, J. O	7812050338	50-367 Q	KLINE, R. V.	7810160013*	50-471 A	KRAFT, D. C.	7812060319*	50-148 Q
KEPPLER, J. O	7812050344	50-484 Q	KLINE, R. V.	7811030155*	50-471 A	KRAHCZAK, A. T.	7812210221*	50-304 Q
KEPPLER, J. O	7812280334*	50-329 Q	KLINOLER, Q. R.	7810130099*	50-321 Q	KREGER, W. E.	7811210463*	50-556 Q
KEPPLER, J. O	7812050062	50-456 Q	KLUTH, F. C.	7811160160*	50-440 F	KRISTOVICH, S.	7810190262*	50-275 Q
KEPPLER, J. O	7812130234	50-331 P	KNAPP, P. J.	7812060316*	50-184 Q	KRISTOVICH, S.	7810190269*	50-275 Q
KEPPLER, J. O	7812140081	50-10 Q	KNAPP, P. J.	7812010096*	50-286 Q	KRISTOVICH, S.	7810270294*	50-275 Q
KEPPLER, J. O	7812220037	50-358 A	KNAPP, P. J.	7811090038*	50-317 Q	KUEBTNER, P.	7812120042*	50-580 Q
KEPPLER, J. O	7812150202	50-255 Q	KNAPP, P. J.	7811150049*	50-220 Q	KUNDER, Q. A.	7812290093*	50-320 Q
KEPPLER, J. O	7812210118	50-331 P	KNAPP, P. J.	7811300380*	50-20 Q	KUNSTLIT, T. J.	7810180121*	50-280 Q
KEPPLER, J. O	7812200365	50-367 Q	KNECHT, W. O.	7812210396*	50-482 B	KUO, P. T.	7811290294*	50-275 Q
KEPPLER, J. O	7812210354	50-315 F	KNIIGHT, J. E.	7810260243*	50-344 Q	KURKJIAN, T. Q.	7812180431*	50-70 Q
KEPPLER, J. O	7812280198	50-329 H	KNIIGHT, J. E.	7811030177*	50-230 P	KURON, F.	7810260086*	50-341 Q
KEPPLER, J. O	7812280307	50-440 Q	KNIGHT, J. P.	7812040338*	50-275 Q	KUSEK, L. T.	7812010240*	50-285 Q
KEPPLER, J. O	7812280002	50-295 Q	KNOLL, R. H.	7811100076*	50-213 Q	KUSEK, L. T.	7812050179*	50-285 Q
KEPPLER, J. O	7812280036	50-266 Q	KNOP, R. C.	7811010309*	50-346 Q	KUSEK, L. T.	7812270333*	50-285 Q

AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY
KUTZYCZ, G	7811010207	50-267 P	LEECH, P.	7812130320	50-592 A	LEWIS, S H	7810250214	50-484 0
KUTZYCZ, G	7812010157	50-267 P	LEED, R. M.	7810130089	50-522 0	LEWIS, N. D.	7811080088	50-397 0
KUTZYCZ, G	7812080021	50-267 P	LEED, R. M.	7811300400	50-522 0	LEWIS, R. C.	7811130381*	50-369 0
KUTZYCZ, G	7812110242	50-267 P	LEED, R. M.	7812080165	50-522 0	LEWIS, R. C.	7810250234*	50-348 0
KUTZYCZ, G.	7812130273	50-267 S	LEED, R. M.	7812150259	50-443 0	LEWIS, R. C.	7811020320*	50-250 0
LABLOSKI, F. J.	7812130209*	50-315 0	LEED, R. M.	7812110199	50-522 0	LEWIS, R. C.	7811130364*	50-369 0
LADUN, R. H.	7811080177*	50-333 0	LEED, R. M.	7812190080	50-522 0	LEWIS, R. C.	7811270014*	50-338 0
LADUN, R.	7812280309*	50-293 0	LEFEVRE, H. E.	7810120102	50-522 A	LEWIS, S. H.	7810300243	50-247 P
LAFLAUR, J. D.	7811200215*	50-437 A	LEFEVRE, H. E.	7812080139	50-522 A	LEWIS, S. H.	7811010148	50-484 0
LAFOLETTE, B. C.	7810190085	50-266 0	LEGATE, R. E.	7811270099*	50-155 P	LEWIS, R. C.	7811220003*	50-335 0
LAGOMARINO, R. J.	7812180289	50-275 H	LELLOUCHE, O. B.	7812210183*	50-500 A	LEWIS, R. C.	7812040181*	50-395 0
LAINAS, G.	7811020012	50-29 F	LEMANOWICZ, I.	7811010435*	50-387 0	LEWIS, R. C.	7811280398*	50-269 0
LAINAS, G.	7811030255	50-206 F	LEMANOWICZ, I.	7812260008*	50-387 0	LEWIS, R. C.	7812060228*	50-338 0
LAINAS, G.	7811030011	50-29 P	LEMANOWICZ, I.	7812260003	50-387 0	LEWIS, R. C.	7812060262*	50-280 0
LAINAS, G.	7811020091	50-313 P	LEMLY, M. B.	7811200102*	50-437 A	LEWIS, R. C.	7812010109*	50-280 0
LAINAS, G.	7811020096*	50-313 P	LEMLY, M. B.	7811200083*	50-437 A	LEWIS, S. H.	7811060236	50-484 0
LAINAS, G.	7811030277	50-155 P	LENAHAN, J. J.	7812070023*	50-518 0	LEWIS, S. H.	7811070284	50-263 0
LAINAS, G.	7811080259	50-334 P	LENAHAN, J. J.	7812290111*	50-553 0	LEWIS, S. H.	7811130082	50-263 0
LAINAS, G.	7811130299	50-333 P	LENCEL, R. A.	7810100095*	50-320 B	LEWIS, S. H.	7811140003	50-443 0
LAINAS, G.	7811170055	50-313 S	LENCEL, R. A.	7810100080*	50-320 B	LEWIS, S. H.	7811140026	50-482 F
LAINAS, G.	7811210060	50-206 F	LENCEL, R. A.	7810110083*	50-320 B	LEWIS, J. O.	7811210353	50-255 B
LAINAS, G.	7811200047	50-247 P	LENCEL, R. A.	7810110134*	50-320 B	LEWIS, J. O.	7812120418	50-255 B
LAINAS, G.	7811200366	50-275 A	LENCEL, R. A.	7810170148*	50-320 R	LEWIS, S. H.	7811150231	50-549 0
LAINAS, G.	7811280361	50-259 P	LENCEL, R. A.	7811210336*	50-320 B	LEWIS, N. D.	7811140279	50-522 0
LAINAS, G.	7811290076	50-282 F	LENCEL, R. A.	7811210384*	50-320 R	LEWIS, N. D.	7811160042	50-522 0
LAINAS, G.	7812260001	50-269 P	LENCEL, R. A.	7812060177*	50-320 S	LEWIS, S. H.	7812150065	50-482 0
LAINAS, G.	7812270365	50-293 F	LENCEL, R. A.	7812130197*	50-320 S	LEWIS, S. H.	7811150060	50-549 0
LAMCASTER, J. L.	7812190118	50-261 J	LEONARD, J. D.	7810100022	50-333 B	LEWIS, R. C.	7812060236*	50-338 0
LAMCASTER, J. L.	7812190123*	50-261 J	LEONARD, J. D.	7810130128	50-333 R	LEWIS, A. S.	7811270045	50-70 0
LANG, P. H.	7810230062	50-269 P	LEONARD, J. D.	7810120045	50-333 B	LEWIS, S. H.	7811220058	50-549 0
LANOER, R. J.	7810300037	50-264 F	LEONARD, J. D.	7810120073	50-333 S	LEWIS, S. H.	7811220154	50-482 0
LARBI, O. J.	7812280329	50-387 0	LEONARD, J. D.	7810301086	50-333 S	LEWIS, S. H.	7811220157	50-484 0
LARSON, L. K.	7810146108	50-244 P	LEONARD, J. D.	7810230265	50-333 S	LEWIS, R. C.	7812210113*	50-280 0
LARSON, L. K.	7810230238	50-244 Q	LEONARD, J. D.	7810240122	50-333 S	LEWIS, S. H.	7812040338	50-549 0
LARSON, L. K.	7810180148	50-244 P	LEONARD, J. D.	7810240133	50-333 S	LEWIS, S. H.	7812130061	50-549 0
LARSON, L. K.	7810190068	50-244 P	LEONARD, J. D.	7811070318	50-333 B	LEWIS, S. H.	7812130065*	50-549 0
LARSON, L. K.	7811010376	50-485 Q	LEONARD, J. D.	7811070244	50-333 S	LEWIS, R. C.	7812140048	50-269 0
LARSON, L. K.	7811060241	50-485 Q	LEONARD, J. D.	7811140121	50-333 R	LEWIS, R. C.	7812050018*	50-340 0
LARSON, L. K.	7812040283	50-485 Q	LEONARD, J. D.	7811140238	50-333 B	LEWIS, S. H.	7812150189	50-549 0
LASHER, D. R.	7811020024	50-327 E	LEONARD, J. D.	7811210414	50-333 B	LEWIS, S. H.	7812180405	50-450 0
LASTOVKA, J. M.	7811270281	50-440 Q	LEONARD, J. D.	7812040156	50-333 B	LEWIS, S. H.	7812270468	50-549 0
LATHAM, M. E.	7810200052	50-70 H	LEONARD, J. D.	7812070174	50-333 B	LEWIS, S. H.	7812280262	50-247 0
LAURSEN, H. I.	7810270402	50-344 T	LEONARD, J. D.	7812150267	50-333 R	LIBRI 221, F. P.	7810110091	50-272 P
LAWRENCE, J. F.	7810110205	50-514 Q	LEONARD, J. D.	7812200099	50-333 S	LIBRI 221, F. P.	7810100028	50-272 B
LAWRENCE, J. F.	7811150234	50-514 Q	LEONARD, J. D.	7812260189	50-333 P	LIBRI 221, F. P.	7810100037	50-272 B
LAWRENCE, J. F.	7811210471	50-305 0	LEONARD, J. D.	7812290246	50-333 B	LIBRI 221, F. P.	7810100087	50-272 S
LAWRENCE, J. F.	7811290044	50-514 0	LEONARD, J. D.	7812250142	50-333 B	LIBRI 221, F. P.	7810250118	50-272 P
LAWRENCE, J. F.	7812040141	50-305 0	LESSOR, L. C.	7810300173	50-298 B	LIBRI 221, F. P.	7810200119	50-272 B
LAWRENCE, J. F.	7812040144*	50-305 0	LESSOR, L. C.	7810300201	50-298 B	LIBRI 221, F. P.	7810240083	50-272 P
LAWRENCE, J. F.	7812040285	50-305 0	LESSOR, L. C.	7812050166	50-298 B	LIBRI 221, F. P.	7810230243	50-272 B
LAWRENCE, J. F.	7812040288*	50-305 0	LESSOR, L. C.	7810170268	50-298 R	LIBRI 221, F. P.	7810230252	50-272 B
LAWRENCE, J. F.	7812050245	50-305 0	LESSOR, L. C.	7812050135	50-298 B	LIBRI 221, F. P.	7810230295	50-272 B
LAWRENCE, J. F.	7812050352*	50-305 0	LESSOR, L. C.	7811140113	50-298 R	LIBRI 221, F. P.	7810250103	50-272 B
LAWRENCE, J. F.	7811290259	50-514 0	LESSOR, L. C.	7812050144	50-298 B	LIBRI 221, F. P.	7810310284	50-272 B
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MADSEN, O. L.	7812290239	50-267 Q	MANNRY, M.	7812070038	50-366 S	MARTIN, W. E.	7812220014	50-275 T
MADSEN, O. L.	7812060049	50-298 Q	MANNRY, M.	7811280217	50-366 S	MARTIN, W. E.	7812290002	50-275 T
MADSEN, O. L.	7812060278	50-285 Q	MANNRY, M.	7811280222	50-366 S	MARTIN, T. J.	7812280204*	50-477 Q
MADSEN, O. L.	7812180421	50-39 Q	MANNRY, M.	7811280235	50-321 S	MARTIN, W. E.	7812290279	50-275 T
MADSEN, O. L.	7812180424*	50-39 Q	MANNRY, M.	7811280288	50-366 S	MARTIN, W. E.	7812290280	50-275 T
MADSEN, O. L.	7812130309	50-313 Q	MANNRY, M.	7812180164	50-321 S	MARTIN, W. E.	7812290282	50-275 T
MADSEN, O. L.	7812210216	50-312 Q	MANNRY, M.	7812180182	50-366 S	MARTIN, W. E.	7812290283	50-275 T
MADSEN, O. L.	7812210224	50-368 Q	MANNRY, M.	7812180231	50-366 S	MASSE, R. E.	7811090189*	50-315 Q
MAQUIRE, P. J.	7811210341	50-293 S	MANNRY, M.	7812180201	50-366 S	MASSE, R. E.	7812120231*	50-305 Q
MAHAN, R. R.	7810300384	50-395 Q	MANNRY, M.	7812180135	50-366 S	MASSE, R. E.	7812130045*	50-315 Q
MAHAN, R. R.	7810300387*	50-395 Q	MANNRY, M.	7812180162	50-366 S	MATERS, B. R.	7810120021	50-16 J
MAHAN, R. R.	7810190229	50-395 Q	MANNRY, M.	7812180179	50-366 S	MATERS, B. R.	7810130146	50-341 A
MAHAN, R. R.	7810190163	50-395 Q	MANNRY, M.	7812150287	50-321 R	MATERS, B. R.	7811280231	50-341 A
MAKEPEACE, J. M.	7810110155*	50-247 S	MANNRY, M.	7812150334	50-366 R	MATHIS, C. J.	7810310163*	50-292 B
MAKEPEACE, J. M.	7810160110*	50-247 S	MANNRY, M.	7812180198	50-366 S	MATHIS, C. J.	7811080156*	50-293 B
MAKEPEACE, J. M.	7810160113*	50-247 S	MANNRY, M.	7812180165	50-321 S	MATHIS, C. J.	7811090168*	50-293 S
MAKEPEACE, J. M.	7810160141*	50-247 S	MANNRY, M.	7812180220	50-366 S	MATHIS, C. J.	7811140212*	50-293 S
MAKEPEACE, J. M.	7810160165*	50-247 S	MANNRY, M.	7812180214	50-366 S	MATHIS, C. J.	7811140188*	50-293 S
MAKEPEACE, J. M.	7811070230*	50-247 S	MANNRY, M.	7812270280	50-321 S	MATHIS, C. J.	7811210345*	50-293 S
MAKEPEACE, J.	7811210344*	50-3 R	MANNRY, M.	7812270295	50-321 S	MATHIS, C. J.	7812040176*	50-293 S
MAKEPEACE, J. M.	7811280270*	50-247 S	MANNRY, M.	7812270315	50-321 S	MATHIS, C. J.	7812050192*	50-293 S
MAKEPEACE, J. M.	7811280263*	50-247 S	MANNRY, M.	7812270325	50-366 S	MATHIS, C. J.	7812120141*	50-293 S
MAKEPEACE, J. M.	7812190131*	50-247 S	MANNRY, M.	7812270266	50-366 S	MATHIS, C. J.	7812180172*	50-293 S
MAKEPEACE, J. M.	7812200208*	50-247 S	MANNRY, M.	7812270314	50-366 S	MATTHEWS, P. R.	7811060093*	50-356 Q
MALMROS, M. H.	7811270115*	50-344 Q	MANNRY, M.	7812270319	50-366 S	MATTIA, J. C.	7812130112*	50-332 Q
MALMROS, M. H.	7812130324*	50-344 Q	MANNRY, M.	7812270326	50-366 S	MATTIMOE, J. J.	7810100050	50-312 S
MALONEY, P. P.	7811270171	50-315 P	MARCH, L. T.	7810240137*	50-488 H	MATTIMOE, J. J.	7810200073	50-312 S
MALONEY, P. P.	7812290182	50-315 P	MARK, D.	7811060077	50-466 Q	MATTIMOE, J. J.	7810100016	50-312 S
MANNRY, M.	7812260136*	50-321 P	MARK, D.	7811130415	50-466 Q	MATTIMOE, J. J.	7810100061	50-312 S
MANNRY, M.	7810170236	50-366 S	MARKOWSKI, R. S.	7812010103*	50-309 Q	MATTIMOE, J. J.	7811030149	50-312 S
MANNRY, M.	7810170226	50-366 S	MARKOWSKI, R.	7811100148*	50-311 Q	MATTIMOE, J. J.	7811030153	50-312 S
MANNRY, M.	7810170233	50-321 S	MARKOWSKI, R. S.	7812080147*	50-334 Q	MATTIMOE, J. J.	7810130131	50-312 S
MANNRY, M.	7810170255	50-366 S	MARLEY, J.	7810160127*	50-346 S	MATTIMOE, J. J.	7810130178	50-312 S
MANNRY, M.	7810170256	50-321 S	MARLEY, J.	7812120173*	50-246 S	MATTIMOE, J. J.	7810170199	50-312 S
MANNRY, M.	7810170291	50-321 S	MARQUARDT, P. A.	7810200111	50-452 A	MATTIMOE, J. J.	7810120027	50-312 P
MANNRY, M.	7810180031	50-366 S	MARRACH, D.	7811020244	50-466 Q	MATTIMOE, J. J.	7810230160	50-312 P
MANNRY, M.	7810180112	50-321 S	MARRACK, D.	7811300111	50-466 Q	MATTIMOE, J. J.	7810200104	50-312 P
MANNRY, M.	7810170311	50-366 S	MARSHALL, W. H.	7811010014*	50-329 H	MATTIMOE, J. J.	7810230099	50-312 P
MANNRY, M.	7810170329	50-321 S	MARSHALL, W. H.	7811080048	50-329 Q	MATTIMOE, J. J.	7810230277	50-312 S
MANNRY, M.	7810180029	50-321 S	MARSHALL, W. H.	7811130192*	50-329 Q	MATTIMOE, J. J.	7811130089	50-312 Q
MANNRY, M.	7810180116	50-366 S	MARSHALL, W. H.	7811100146	50-329 Q	MATTIA, J. C.	7812190155*	50-483 Q
MANNRY, M.	7810180019	50-366 S	MARSHALL, W. H.	7811210040	50-329 Q	MATTIMOE, J. J.	7810170201	50-312 P
MANNRY, M.	7810170318	50-366 S	MARSHALL, W. H.	7811150039	50-329 Q	MATTIMOE, J. J.	7811140230	50-312 S
MANNRY, M.	7810170322	50-366 S	MARSHALL, W. H.	7811300336	50-329 Q	MATTIMOE, J. J.	781170096*	50-312 Q
MANNRY, M.	7810180037	50-366 S	MARTIN, R. D.	7810110236*	50-261 Q	MATTIMOE, J. J.	7812120147	50-312 S
MANNRY, M.	7810180120	50-366 S	MARTIN, W. G.	7810190107*	50-57 Q	MATTIMOE, J. J.	7811170117	50-312 P
MANNRY, M.	7810170309	50-366 S	MARTIN, W. G.	7810180215*	50-334 Q	MATTIMOE, J. J.	7812120319	50-312 P
MANNRY, M.	7810170312	50-366 S	MARTIN, W. G.	7810180178	50-20 Q	MATTIA, J. C.	7812290253*	50-485 Q
MANNRY, M.	7810180023	50-366 S	MARTIN, R. D.	7810130051*	50-366 Q	MATTIMOE, J. J.	7811210261	50-312 P
MANNRY, M.	7810180001	50-366 S	MARTIN, R. D.	7810230064*	50-369 Q	MATTIMOE, J. J.	7811280209	50-312 P
MANNRY, M.	7810180003*	50-366 S	MARTIN, W. G.	7811010093*	50-277 Q	MATTIMOE, J. J.	7812050116	50-312 P
MANNRY, M.	7810180010	50-321 S	MARTIN, W. G.	7811080172	50-333 Q	MATTIMOE, J. J.	7812050146	50-312 P
MANNRY, M.	7810180011*	50-321 S	MARTIN, W. G.	7811080236	50-271 Q	MATTIMOE, J. J.	7812080094	50-312 P
MANNRY, M.	7810180020	50-366 S	MARTIN, R. D.	7811200214*	50-280 Q	MATTIMOE, J. J.	7812110170	50-312 S
MANNRY, M.	7810230206	50-366 S	MARTIN, T. J.	7810100020	50-354 S	MATTIMOE, J. J.	7812130107	50-312 P
MANNRY, M.	7810230175	50-321 S	MARTIN, T. J.	7810230262*	50-354 S	MATTIMOE, J. J.	7812140142	50-312 Q
MANNRY, M.	7810230188	50-366 S	MARTIN, W. G.	7810190104	50-57 Q	MATTIMOE, J. J.	7812180139	50-312 P
MANNRY, M.	7810310146	50-321 S	MARTIN, W. G.	7812050295*	50-97 Q	MATTIMOE, J. J.	7812200191	50-312 P
MANNRY, M.	7810310187	50-321 S	MARTIN, R. D.	7811130412*	50-302 Q	MATTSO, R. J.	7810300307*	50-956 Q
MANNRY, M.	7810310205	50-366 S	MARTIN, W. G.	7810100085	50-277 Q	MATTSO, R. J.	7812210323	50-327 A

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MAURA, F. A.	7810110220	50-358 Q	MC DUFFIE, M. A.	7810300140	50-400 A	HECCA, J. E.	7811080142	50-322
MAXWELL, O. F.	7811090003*	50-367 Q	MC DUFFIE, M. A.	7811280226	50-400 F	HECCA, J. E.	7811080153	50-322
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MAXWELL, O. F.	78112280244*	50-367 Q	MC EHEN, J. E.	7812210210*	50-272 F	MEIEROTTO, L. E.	7810240142	50-382
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MAY, E. L.	7812010224	50-29 S	MC GARRY, J. M.	7810120020	50-369 Q	MENGER, W. H.	7812210029*	50-498
MAYER, L. O.	7812060318	50-263 P	MC GARRY, J. M.	7810140127	50-369 Q	MENNING, J. E.	7812060340*	50-331
MAYER, L. O.	7812080138*	50-306 P	MC GARRY, J. M.	7810140030	50-488 Q	MENNING, J. E.	7811150053*	50-346
MAYER, L. O.	78101080034	50-306 S	MC GARRY, J. M.	7810140139	50-488 Q	MENNING, J. E.	7811290336*	50-266
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MAYER, L. O.	7810110180	50-263 S	MC GARRY, J. M.	7810200132	50-369 T	MERNICKI, H. J.	78112310200*	50-317
MAYER, L. O.	7810120029	50-282 R	MC GARRY, J. M.	7811130034	50-369 Q	MERRILL, D. N.	7810310189*	50-443
MAYER, L. O.	7810120030	50-263 R	MC GARRY, J. M.	7811240063	50-488 Q	MERRILL, D. N.	7811070140*	50-443
MAYER, L. O.	7810160122	50-263 F	MC GARRY, J. M.	7811220231	50-488 Q	MERSON, B. D.	7810230178	50-317
MAYER, L. O.	7810170099	50-263 P	MC GARRY, J. M.	7811220272	50-369 G	MERSON, B. D.	7811240215	50-317
MAYER, L. O.	7810170220	50-282 P	MC GAUGHY, R. W.	7812130112*	50-332 Q	MERSON, B. D.	7811240217*	50-317
MAYER, L. O.	7810180021	50-306 S	MC GAUGHY, R. W.	7810250261*	50-354 Q	MERSON, B. D.	7812220076	50-317
MAYER, L. O.	7810250076	50-263 P	MC GAUGHY, R. W.	7812120026*	50-322 Q	MERSON, B. D.	7812220077*	50-317
MAYER, L. O.	7810200078	50-263 P	MC GAUGHY, J. P.	7811150097	50-416 Q	MEYER, B. A.	7812110147*	50-295
MAYER, L. O.	78103000191	50-263 S	MC GAUGHY, J. P.	7811160073	50-416 A	MEYER, B. A.	7812210228*	50-295
MAYER, L. O.	7810300237	50-282 P	MC GAUGHY, J. P.	7812060400	50-416 S	MICHULKA, C. L.	7810310372	50-466
MAYER, L. O.	7811240124	50-263 S	MC GAUGHY, R. W.	7812290238*	50-387 Q	MICHULKA, C. L.	7811170006	50-466
MAYER, L. O.	7811070247	50-282 S	MC GAUGHY, R.	7812290253*	50-485 Q	MICHULKA, C. L.	7812210368	50-466
MAYER, L. O.	7811150115	50-282 P	MC GAUGHY, J. P.	7812070179	50-416 S	MIDURA, H. J.	7810160084	50-272
MAYER, L. O.	7811140194	50-263 F	MC GAUGHY, J. P.	7812120098	50-416 A	MIDURA, H. J.	7810180092	50-272
MAYER, L. O.	7811140143	50-282 F	MC GAUGHY, J. P.	7812290133	50-416 A	MIDURA, H. J.	7810180128	50-272
MAYER, L. O.	7811140115	50-282 R	MC GAUGHY, J. P.	7812140133	50-416 Q	MIDURA, H. J.	7810180144	50-272
MAYER, L. O.	7811160116	50-263 R	MC GAUGHY, J. P.	7812290260	50-416 Q	MIDURA, H. J.	7810310137	50-272
MAYER, L. O.	7811210334	50-263 P	MC GAUGHY, J. P.	7812290256	50-416 Q	MIDURA, H. J.	7811130266	50-272
MAYER, L. O.	7811280234	50-263 S	MC GURE, P. J.	7810180130	50-293 R	MIDURA, H. J.	7810310180	50-272
MAYER, L. O.	7811280279	50-282 P	MC GURE, P. J.	7810310158	50-293 S	MIDURA, H. J.	7811130263	50-272
MAYER, L. O.	7812070221	50-263 P	MC GURE, P. J.	781210263	50-293 R	MIDURA, H. J.	7811170181	50-272
MAYER, L. O.	7812080135	50-306 P	MC GURE, D. R.	7812110281*	50-324 Q	MIDURA, H. J.	7811280460	50-272
MAYER, L. O.	7812110118	50-263 P	MC GURE, P. J.	7811080152	50-293 S	MIDURA, H. J.	7811160074	50-272
MAYER, L. O.	7812110136	50-263 R	MC GURE, P. J.	7811090161	50-293 S	MIDURA, H. J.	7811210323	50-272
MAYER, L. O.	7812120091	50-282 R	MC GURE, P. J.	7811140207	50-293 S	MIDURA, H. J.	7811210343	50-272
MAYER, L. O.	7812140143	50-263 P	MC GURE, P. J.	7811140183	50-293 S	MIDURA, H. J.	7812050229	50-272
MAYER, L. O.	7812140159	50-306 S	MC GURE, P. J.	7811280333	50-293 S	MIDURA, H. J.	7812150242	50-272
MAYER, L. O.	7812200283	50-263 S	MC GURE, P. J.	7812040173	50-293 S	MIERNICKI, M. J.	7810270240*	50-317
MAYER, L. O.	7812200211	50-263 S	MC GURE, P. J.	7812050185	50-293 S	MIERNICKI, M. J.	7811010116*	50-317
MAYER, L. O.	7812260256	50-263 S	MC GURE, P. J.	7812200183	50-293 R	MIERNICKI, M. J.	7811130214*	50-318
MAYER, L. O.	7812260207	50-282 S	MC GURE, P. J.	7812120135	50-293 S	MIERNICKI, M. J.	7812210409*	50-317
MAYER, L. O.	7812260222	50-306 S	MC GURE, P. J.	7812180168	50-293 S	MIERNICKI, M. J.	7812130187*	50-318
MAYER, L. O.	7812270232	50-263 S	MC GURE, H. J.	7810190012	50-349 Q	MIERNICKI, M. J.	7812130194*	50-317
MAYER, L. O.	7812270241	50-263 S	MC GURE, H. J.	7810190015*	50-349 Q	MIERNICKI, M. J.	7812260248*	50-318
MAYER, L. O.	7812270246	50-263 S	MC GURE, H. J.	7810190018*	50-349 Q	MILHOLLIN, O. L.	7810230322	50-272
MAYNARD, C. J.	7810160197*	50-329 Q	MC GURE, H. J.	7810190021*	50-349 Q	MILHOLLIN, O. L.	781010063	50-237
MAYNARD, R.	7812130191	50-341 Q	MC GURE, H. J.	7810190024*	50-349 Q	MILHOLLIN, O. L.	7811090259	50-237
MAYNARD, R.	7812130202*	50-341 Q	MC GURE, H. J.	7810240222	50-349 Q	MILHOLLIN, O. L.	7811160021	50-237
MAZZOLA, C. A.	7812050354*	50-349 T	MC GURE, H. J.	7811170027	50-349 F	MILHOLLIN, O. L.	7811200003	50-237
MCALLISTER, R. J.	7810200050*	50-334 P	MC GURE, H. J.	7811130234	50-341 Q	MILHOLLIN, O. L.	7812110284	50-237
MCBREARTY, R. A.	7811140280*	50-311 Q	MC GURE, H. J.	7811150113	50-341 Q	MILHOLLIN, O. B.	7812270133	50-237
MCBREARTY, R. A.	7812280319*	50-318 Q	MC GURE, H. J.	7812050059	50-341 Q	MILLER, R. N.	7810300338*	50-201
MCBREARTY, R. A.	7812270457*	50-333 Q	MC GURE, H. J.	7812050370	50-341 Q	MILLEN, C. K.	7810110264*	50-267
MCCABE, E. C.	7811300363*	50-184 Q	MC GURE, H. J.	7812050372*	50-341 Q	MILLER, O. P.	7811150145	50-289
MCCABE, E. C.	7810250227*	50-219 Q	MC GURE, H. J.	7812050090	50-320 Q	MILLER, L. E.	7810230092*	50-70
MCCABE, E. C.	7811090058*	50-277 Q	MC GURE, H. J.	7812050259	50-498 Q	MILLER, M. I.	7810110309	50-329
MCCABE, E. C.	7810160082*	50-293 Q	MC HENRY, T. J.	7811080289*	50-261 Q	MILLER, W. O.	7810110030	50-234
MCCABE, E. C.	7812110316*	50-245 Q	MC HENRY, T. J.	7811220256*	50-261 Q	MILLER, M. E.	7810200135	50-344
MCCAFFREY, B. R.	7810200091	50-322 K	MC HENRY, T. J.	7812150063*	50-261 Q	MILLEN, C. K.	7810200063	50-267
MCCANN, W. J.	7810110129*	50-336 B	MC HENRY, T. J.	7812200161*	50-13 Q	MILLEN, C. K.	7810120064*	50-267
MCCAUGHAN, D. M.	7811070352	50-510 Q	MC INDOE, D. W.	7810130227	50-170 P	MILLER, L. K.	7810160090*	50-272
MCCAUGHAN, D. M.	7811070354	50-498 Q	MC KEOWN, L.	7811080245*	50-271 Q	MILLER, W. O.	7810120104	50-335
MCLAIN, C. M.	7810250261*	50-219 R	MC KIBBEN, J. C.	7811060076	50-186 S	MILLER, W. O.	7810140112	50-237
MCLAIN, C. M.	7811210241*	50-219 R	MC KIBBEN, J. C.	7812290080	50-186 P	MILLER, W. O.	7810230157	50-285
MCLAIN, C. M.	7812200182*	50-219 R	MC KINLEY, J. C.	7811010384*	50-275 Q	MILLER, D. E.	7811170319*	50-6
MCCOLLUM, K. A.	7811020379	50-344 T	MC LANE, F. E.	7810170259*	50-537 A	MILLER, M. E.	7811070025	50-344
MCCOLLUM, K. A.	7811100054	50-344 T	MC MANUS, C. K.	7810230373	50-206 A	MILLER, W. O.	7810230159	50-289
MCCOLLUM, K. A.	7811100050	50-344 T	MC MANUS, C. K.	7811220178*	50-329 S	MILLER, W. O.	7810240020	50-219
MCCOLLUM, K. A.	7811130205	50-344 T	MC NAMARA, A. E.	7810170215*	50-244 R	MILLER, M. E.	7810310366	50-344
MCCOLLUM, K. A.	7811100058	50-344 T	MC NATT, T.	7811140043*	50-311 Q	MILLER, M. I.	7810300311	50-329
MCCOLLUM, K. A.	7811100024	50-344 T	MC NUTT, J. R.	7811240166	50-329 A	MILLER, M. E.	7810260203	50-498
MCCOLLUM, K. A.	7811100111	50-344 T	MC WHORTER, R. J.	7810130157	50-580 A	MILLER, M. E.	7810101053	50-445
MCCOLLUM, K. A.	7811100019	50-344 T	MC WHORTER, R. J.	7810160128	50-580 E	MILLER, W. O.	7810260076	50-313
MCCOLLUM, K. A.	7811130280	50-344 T	MC WHORTER, R. J.	7810230201	50-580 E	MILLER, W. O.	7810300003	50-250
MCCOLLUM, K. A.	7812280003	50-344 T	MC WHORTER, R. J.	7810250115	50-580 A	MILLER, W. O.	7810300290	50-339
MCCOLLUM, K. A.	7812280004	50-344 T	MC WHORTER, R. J.	7811140184	50-580 E	MILLER, M. E.	7811020379	50-344
MCCORKLE, B. A.	7811130129	50-466 Q	MC WHORTER, R. J.	7811150126	50-580 B	MILLER, W. O.	7811080078	50-286
MCCORKLE, B. A.	7812040300	50-466 Q	MC WHORTER, R. J.	7812050196	50-580 A	MILLER, W. O.	7810300378	50-285
MCCORKLE, B. A.	7812040303	50-466 Q	MC WHORTER, R. J.	7812270204	50-580 A	MILLER, M. E.	7811100054	50-344

AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY
MILLER, M. E.	7811100050	50-344 T	MILLER, M. E.	7812140221	50-445 M	MOON, C. W.	7810230163	50-443
MILLER, M. E.	7811120303	50-344 T	MILLER, M. E.	7812280330	50-329 G	MOON, C. W.	78110300241	50-466
MILLER, M. E.	7811100058	50-344 T	MILLER, J. E.	7812150258	50-59 P	MOON, C. W.	7811170356	50-466
MILLER, M. O.	7811150134	50-220 P	MILLER, C. K.	7812220062	50-267 P	MOON, C. W.	7811130236	50-443
MILLER, L. F.	7812080238	50-326 G	MILLER, C. K.	7812220069	50-267 P	MOON, C. W.	7811270297	50-466
MILLER, M. I.	7811150080	50-329 G	MILLER, L. K.	7812150244	50-272 R	MOORE, R. N.	7811290286	50-587
MILLER, M. E.	7811100024	50-344 T	MILLER, W. O.	7812150228	50-237 P	MOORE, D. E.	7811230007	50-250
MILLER, M. E.	7811100111	50-344 T	MILLER, M. E.	7812280003	50-344 T	MOORE, J.	7810230101	50-361
MILLER, M. E.	7811100019	50-344 T	MILLER, M. E.	7812280004	50-344 T	MOORE, H. Q.	7811030104	50-390
MILLER, M. E.	7811120380	50-344 T	MILLER, J.	7812220079	50-59 F	MOORE, G. W.	7810200047	50-334
MILLER, W. O.	7811150016	50-333 P	MILLAP, W. J.	7810120004	50-259 Q	MOORE, V. A.	7810240228	50-368
MILLER, M. E.	7811210458	50-344 G	MILLAP, W. J.	7811010191	50-338 G	MOORE, V. A.	7811060056	50-445
MILLER, D. E.	7812120226	50-331 G	MILLAP, W. J.	7810300385	50-369 Q	MOORE, G. W.	7811030169	50-334
MILLER, M. E.	7811210235	50-443 M	MILLS, L. H.	7810170197	50-327 K	MOORE, J. B.	7811140177	50-206
MILLER, L. K.	7811160075	50-272 R	MILLS, W. R.	7810270001	50-322 A	MOORE, V. A.	7811170135	50-463
MILLER, L. K.	7812120151	50-272 R	MILLS, M.	7811030101	50-390 P	MOORE, J. B.	7812210098	50-361
MILLER, W. O.	7811200361	50-346 P	MILLS, L. M.	7811070109	50-438 K	MOORE, V. A.	7812040242	50-463
MILLER, W. O.	7811240087	50-285 P	MILLS, L. M.	7811150120	50-390 H	MOORE, D. E.	7812104257	50-406
MILLER, M. I.	7812040235	50-556 G	MILLS, L. M.	7811170215	50-259 P	MOORE, G. W.	7810260162	50-334
MILLER, M. E.	7811220018	50-568 G	MILLS, L. M.	7811210303	50-327 A	MOORE, R.	7812270052	50-320
MILLER, W. O.	7811240035	50-368 P	MILLS, L. M.	7811300198	50-327 K	MOORE, V. A.	7812120110	50-518
MILLER, W. O.	7811240041	50-334 P	MILLS, L. M.	7812190098	50-390 K	MOORE, V. A.	7812120118	50-518
MILLER, W.	7812290048	50-390 G	MINER, S.	7812010099	50-387 A	MOORE, V. A.	7812120124	50-518
MILLER, L. P.	7812130314	50-273 G	MINER, B.	7812060133	50-387 A	MOORE, V. A.	7812120128	50-518
MILLER, J. R.	7812150071	50-10 P	MINER, S.	7812060187	50-387 F	MOORE, J. B.	7812210263	50-361
MILLER, J. R.	7812150088	50-3 P	MINNICK, L. E.	7811020246	50-29 P	MOORE, J. B.	7812210388	50-206
MILLER, J. R.	7812130092	50-29 P	MITCHELL, D. O.	7810100099	50-289 S	MOORE, J. B.	7812130177	50-361
MILLER, J. R.	7812130097	50-243 P	MITCHELL, D. O.	7812120186	50-289 R	MOORE, D. E.	7812210287	50-276
MILLER, J. R.	7812150106	50-317 P	MITCHELL, D. O.	7812190170	50-289 R	MOORE, V. A.	7812210102	50-324
MILLER, J. R.	7812150109	50-289 P	MITTL, R. L.	7810130134	50-311 A	MOORE, V. A.	7812210104	50-324
MILLER, J. R.	7812150113	50-309 P	MITTL, R. L.	7810170132	50-272 P	MOREAU, W. N.	7810120068	50-219
MILLER, J. R.	7812150116	50-333 P	MITTL, R. L.	7810240149	50-311 A	MOREAU, W. N.	7810240132	50-219
MILLER, J. R.	7812150118	50-313 P	MITTL, R. L.	7810250069	50-311 A	MOREAU, W. N.	7811060092	50-320
MILLER, J. R.	7812150120	50-302 P	MITTL, R. L.	7810250083	50-311 F	MORGENSTERN, L.	7810300257	50-496
MILLER, J. R.	7812150123	50-269 P	MITTL, R. L.	7811030119	50-311 K	MORIARTY, J. H.	7811090134	50-423
MILLER, J. R.	7812150124	50-312 P	MITTL, R. L.	7811080102	50-311 A	MORIARTY, J. H.	7811090135	50-423
MILLER, J. R.	7812150130	50-277 P	MITTL, R. L.	7811080227	50-311 A	MORIARTY, J. H.	7811090136	50-423
MILLER, J. R.	7812150132	50-220 P	MITTL, R. L.	7811090084	50-311 A	MORRILL, P. J.	7811130231	50-344
MILLER, J. R.	7812150134	50-133 P	MITTL, R. L.	7811200152	50-311 A	MORRISSEY, J. C.	7810240113	50-133
MILLER, J. R.	7812150138	50-263 P	MITTL, R. L.	7811240141	50-311 A	MORRISSEY, J. C.	7810300350	50-275
MILLER, J. R.	7812150139	50-293 P	MITTL, R. L.	7811240225	50-311 A	MORRILL, P. J.	7812070246	50-361
MILLER, J. R.	7812150141	50-334 P	MITTL, R. L.	7812200072	50-311 A	MORRILL, P. J.	7812070045	50-106
MILLER, J. R.	7812150143	50-315 P	MITTL, R. L.	7812270248	50-477 A	MORRILL, P. J.	7812270456	50-133
MILLER, J. R.	7812150147	50-348 P	MITTL, R. L.	7812280200	50-477 Q	MORRILL, P. J.	7812280358	50-344
MILLER, J. R.	7812150148	50-239 P	MITTL, R. L.	7812220143	50-311 A	MORRISSEY, J. C.	7812140085	50-275
MILLER, J. R.	7812150157	50-324 P	MITTFESS, L. T.	7812130087	50-802 Q	MORRILL, P. J.	7812270436	50-243
MILLER, J. R.	7812150159	50-298 P	MITTFESS, L. T.	7811200040	50-484 G	MORSE, A. K.	7810110042	50-409
MILLER, J. R.	7812150161	50-331 P	MUENICKE, M. J.	7810110174	50-317 S	MOSELEY, N. C.	7810270246	50-329
MILLER, J. R.	7812150164	50-321 P	MYNOCZAK, M. M.	7810300116	50-305 F	MOSELEY, N. C.	7810300006	50-316
MILLER, J. R.	7812150167	50-271 P	MYNOCZAK, M. M.	7811010204	50-313 F	MOWRY, W. R.	7810270104	50-163
MILLER, J. R.	7812150173	50-155 P	MYNOCZAK, M. M.	7811080239	50-305 P	MOWRY, W. R.	7810270107	50-163
MILLER, J. R.	7812150176	50-244 P	MYNOCZAK, M. M.	7811200373	50-305 P	MOWRY, W. R.	7812190146	50-89
MILLER, J. R.	7812150181	50-409 P	MYNOCZAK, M. M.	7812010365	50-315 P	MULKEY, M.	7810230168	50-443
MILLER, J. R.	7812150192	50-219 P	MODENOS, L.	7812060035	50-395 G	MULKEY, M. E.	7812280262	50-247
MILLER, J. R.	7812150197	50-206 P	MODENOS, L.	7812060362	50-389 G	MULLER, D. R.	7811200162	50-437
MILLER, J. R.	7812150019	50-303 P	MOELLER, D.	7811100051	50-280 T	MUNRD, B.	7810140123	50-344
MILLER, J. R.	7812150203	50-266 P	HOFFATT, D. H.	7811240188	50-329 A	MUNTZING, L. M.	7811200436	50-437
MILLER, J. R.	7812150205	50-280 P	MOHR, T.	7810170216	50-10 B	MUNTZING, L. M.	7811200086	50-437
MILLER, J. R.	7812150209	50-344 P	MOLLERUS, F. J.	7812270172	50-447 A	MUNTZING, L. M.	7811200279	50-437
MILLER, J. R.	7812150212	50-272 P	MONTGOMERY, C. R.	7812010127	50-146 J	MURPHY, C. E.	7812130289	50-491
MILLER, J. R.	7812180021	50-295 P	MONTI, W. A.	7810240108	50-3 P	MURPHY, C. E.	7810110190	50-438
MILLER, J. R.	7812180028	50-333 P	MONTI, W. A.	7811170160	50-3 P	MURPHY, C. E.	7810140075	50-390
MILLER, J. R.	7812180033	50-261 P	MONTI, W. A.	7812010206	50-3 R	MURPHY, C. E.	7811030084	50-438
MILLER, J. R.	7812180035	50-253 P	MONTI, W. A.	7812040229	50-247 S	MURPHY, C. E.	7811030089	50-438
MILLER, J. R.	7812180038	50-250 P	MONTI, W. A.	7812180152	50-3 R	MURPHY, C. E.	7810120087	50-339
MILLER, J. R.	7812180039	50-213 P	MOODY, D. E.	7811020175	50-271 G	MURPHY, C. E.	7810110298	50-566
MILLER, J. R.	7812180044	50-254 P	MOODY, D. E.	7811150095	50-309 G	MURPHY, C. E.	7810230236	50-593
MILLER, J. R.	7812180050	50-282 P	MOODY, D. E.	7810170150	50-309 R	MURPHY, C. E.	7810240204	50-390
MILLER, M. I.	7812050347	50-556 G	MOODY, D. E.	7810170192	50-271 R	MURPHY, C. E.	7810230074	50-424
MILLER, C. K.	7811240226	50-267 E	MOODY, D. E.	7810170176	50-29 R	MURPHY, C. E.	7811080213	50-369
MILLER, M. E.	7812040183	50-266 G	MOODY, D. E.	7810180137	50-309 P	MURPHY, C. E.	7811080215	50-369
MILLER, W. O.	7811270260	50-244 P	MOODY, D. E.	7810200090	50-271 F	MURPHY, C. E.	7811080314	50-369
MILLER, R. B.	7812060166	50-254 P	MOODY, D. E.	7810200031	50-29 F	MURPHY, C. E.	7810130098	50-413
MILLER, M. I.	7812140087	50-329 G	MOODY, D. E.	7812010093	50-309 Q	MURPHY, C. E.	7811080194	50-395
MILLER, M. I.	7812140362	50-329 G	MOODY, D. E.	7810270077	50-309 F	MURPHY, C. E.	7811080294	50-438
MILLER, W. O.	7812040336	50-250 P	MOODY, D. E.	7811140112	50-309 R	MURPHY, C. E.	7811080296	50-369
MILLER, W. O.	7812070278	50-323 P	MOODY, D. E.	7811140128	50-271 R	MURPHY, C. E.	7810310081	50-339
MILLER, W. O.	7812110248	50-289 H	MOODY, D. E.	7810140120	50-29 R	MURPHY, C. E.	7810250221	50-413
MILLER, W. O.	7812080132	50-260 P	MOODY, D. E.	7812050210	50-29 F	MURPHY, C. E.	7810230217	50-413
MILLER, W. O.	7812080212	50-289 H	MOODY, D. E.	7812050253	50-309 R	MURPHY, C. E.	781030047	50-424
MILLER, W. O.	7812110245	50-259 P	MOODY, D. E.	7812150290	50-271 R	MURPHY, C. E.	7811090266	50-332
MILLER, M. E.	7812270144	50-344 G	MOODY, D. E.	7812150286	50-29 R	MURPHY, C. E.	7811130095	50-327
MILLER, W. O.	7812140343	50-253 P	MOODY, D. E.	7812150087	50-29 F	MURPHY, C. E.	7812050140	50-327
MILLER, C. K.	7812130164	50-267 P	MOODY, D. E.	7812270276	50-271 P	MURPHY, C. E.	7811130113	50-438
MILLER, M. E.	7812130003	50-443 N	MOON, B. T.	7810310116	50-338 G	MURPHY, P. M.	7810190216	50-586

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MURPHY, C. E.	7811090235*	50-395 Q	MURRAY, R.	7811240181*	50-234 S	NEWMAN, J. R.	7812120048	50-466 Q
MURPHY, C. E.	78111140090	50-518 Q	MURRAY, T. D.	7811090131	50-346 S	NEWMAN, J. R.	7812040274	50-466 Q
MURPHY, C. E.	7811150064	50-395 Q	MURRAY, T. D.	7810310194	50-346 S	NEWMAN, J. R.	7812040329	50-466 Q
MURPHY, C. E.	7811020385*	50-364 Q	MURRAY, B.	7812130336*	50-313 Q	NEWMAN, J. R.	7812040333	50-466 Q
MURPHY, C. E.	7811210083	50-339 Q	MURRAY, T. D.	7811030137	50-346 S	NEWMAN, J. R.	7812040343	50-466 Q
MURPHY, C. E.	7811200029	50-324 Q	MURRAY, T. D.	7811070184	50-346 S	NEWMAN, J. R.	7812040350	50-466 Q
MURPHY, C. E.	7811200182	50-518 Q	MURRAY, T. D.	7811070264	50-346 S	NEWMAN, J. R.	7812040367	50-498 Q
MURPHY, P. M.	7810260199	50-356 Q	MURRAY, T. D.	7811070273	50-346 S	NEWMAN, J. R.	7812050037	50-466 Q
MURPHY, C. E.	7812040039*	50-390 Q	MURRAY, T. D.	7811090178	50-346 S	NEWMARK, N. H.	7812040321	50-275 Q
MURPHY, P. M.	7811010433	50-556 Q	MURRAY, B.	7812190193*	50-267 Q	NEWMARK, J. R.	7812110256	50-466 Q
MURPHY, C. E.	7812060029*	50-395 Q	MURRAY, T. D.	7811140135	50-346 R	NEWMAN, J. R.	7812040024	50-466 Q
MURPHY, C. E.	7811240027*	50-250 Q	MURRAY, T. D.	7811210347	50-346 S	NEWMAN, J. R.	7812070058	50-466 Q
MURPHY, C. E.	7811300336	50-390 Q	MURRAY, T. D.	7811210372	50-346 S	NEWMAN, J. R.	7812120224	50-466 Q
MURPHY, C. E.	7812010038	50-566 Q	MURRAY, T. D.	7811200209	50-346 S	NEWMAN, J. R.	7812040331	50-466 Q
MURPHY, C. E.	7811240065*	50-424 Q	MURRAY, T. D.	7811280198	50-346 S	NEWMAN, J. R.	7812050046	50-466 Q
MURPHY, C. E.	7811290321	50-566 Q	MURRAY, T. D.	7812010207	50-346 S	NEWMAN, J. R.	7811300020	50-466 Q
MURPHY, C. E.	7811220282*	50-395 Q	MURRAY, T. D.	7812050157	50-346 S	NEWMAN, J. R.	7812130026	50-466 Q
MURPHY, C. E.	7811030057	50-438 Q	MURRAY, T. D.	7812050204	50-346 S	NEWMAN, J. R.	7812130219	50-466 Q
MURPHY, C. E.	7812050303	50-327 Q	MURRAY, T. D.	7812050217	50-346 S	NEWMAN, J. R.	7812280308	50-582 Q
MURPHY, C. E.	7812050169	50-296 Q	MURRAY, T. D.	7812190278	50-320 S	NEWTON, R. A.	7811150826	50-266 Q
MURPHY, C. E.	7811300167*	50-400 Q	MURRAY, B.	7812290244*	50-267 Q	NEWTON, R. A.	7811240119	50-266 Q
MURPHY, C. E.	7812070024*	50-364 Q	MURRAY, T. D.	7812050196	50-346 S	NEWTON, R. A.	7812050049	50-266 Q
MURPHY, P. M.	7811130060	50-556 Q	MURRAY, T. D.	7812070198	50-346 S	NICHOLAS, H.	7811080292*	50-311 Q
MURPHY, P. M.	7811140047	50-556 Q	MURRAY, T. D.	7812120165	50-346 S	NICHOLAS, H.	7811100102*	50-311 Q
MURPHY, C. E.	7811080147	50-395 Q	MURRAY, T. D.	7812120140	50-346 S	NICHOLAS, H.	7811100164*	50-311 Q
MURPHY, C. E.	7811080205	50-369 Q	MURRAY, T. D.	7812120172	50-346 S	NICHOLAS, T. C.	7811090239*	50-395 Q
MURPHY, C. E.	7811080250	50-369 Q	MURRAY, T. D.	7812140137	50-346 S	NICHOLAS, H.	7811140043*	50-311 Q
MURPHY, C. E.	7811080251	50-438 Q	MURRAY, T. D.	7812130296	50-346 R	NICHOLAS, H.	7812060358*	50-311 Q
MURPHY, C. E.	7812070016	50-518 Q	MURRAY, T. D.	7812190115	50-346 S	NICHOLAS, H.	7812290044*	50-311 Q
MURPHY, E.	7811210312	50-275 H	MURRAY, T. D.	7812290200	50-346 S	NICHOLS, T. C.	7812200288	50-399 J
MURPHY, P. M.	7811210107	50-556 Q	MYATT, B. G.	7810110109	50-568 A	NIELSEN, D.	7812210235*	50-275 A
MURPHY, C. E.	7812060368	50-327 Q	MYRABO, A. L.	7810120032*	50-263 R	NIELSEN, D.	7812210209*	50-275 A
MURPHY, C. E.	7812060287	50-327 Q	MYRABO, A. L.	7811160117*	50-263 R	NIELSEN, D.	7812210225*	50-275 A
MURPHY, C. E.	7812130001	50-327 Q	MYRABO, A. L.	7812110140*	50-263 R	NIELSEN, E. S.	7812260194*	50-289 S
MURPHY, C. E.	7812070319*	50-269 Q	NAIDU, K. R.	7811140259*	50-341 Q	NILSON, R.	7811130179	50-564 J
MURPHY, C. E.	7812080046	50-518 Q	NAIDU, K. R.	7812040163*	50-546 Q	NIX, R. T.	7810180033*	50-366 S
MURPHY, C. E.	7812120033*	50-395 Q	NAPUDA, Q.	7810260028*	50-220 Q	NIX, R. T.	7810180114*	50-321 S
MURPHY, C. E.	7812150192	50-390 Q	NAPUDA, Q.	7811090017*	50-247 Q	NIX, R. T.	7810170315*	50-366 S
MURPHY, P. M.	7812050281	50-556 Q	NAPUDA, Q.	7811100148*	50-311 Q	NIX, R. T.	7810180014*	50-321 S
MURPHY, C. E.	7811130058	50-395 Q	NAPUDA, Q.	7812290053*	50-271 Q	NIX, R. T.	7810170313*	50-366 S
MURPHY, C. E.	7812150030	50-327 Q	NARBUTT, P. P.	7811270058*	50-312 Q	NIX, R. T.	7810170314*	50-366 S
MURPHY, T. D.	7811220084*	50-549 T	NARROW, L.	7811080200*	50-363 Q	NIX, R. T.	7810310214*	50-366 S
MURPHY, C. E.	7812180349	50-416 Q	NARROW, L.	7810270392*	50-363 Q	NIX, R. T.	7810310154*	50-366 S
MURPHY, C. E.	7812040170*	50-395 Q	NARROW, L.	7811300387*	50-410 Q	NIX, R. T.	7810310166*	50-321 S
MURPHY, P. M.	7812040235	50-556 Q	NASH, E. J.	7812270033*	50-320 Q	NIX, R. T.	7810310181*	50-366 S
MURPHY, C. E.	7811290322*	50-389 Q	NASH, E. J.	7811030174	50-320 P	NIX, R. T.	7811060153*	50-366 S
MURPHY, C. E.	7812270364*	50-369 Q	NAUGHTON, W. F.	7810120080	50-237 F	NIX, R. T.	7811210162*	50-321 S
MURPHY, C. E.	7812290109	50-553 Q	NAUGHTON, W. F.	7810100025	50-295 P	NIX, R. T.	7811140211*	50-366 S
MURPHY, C. E.	7812180336*	50-400 Q	NAUGHTON, W. F.	7810180060	50-295 P	NIX, R. T.	7811140204*	50-366 S
MURPHY, C. E.	7812110309*	50-364 Q	NAUGHTON, W. F.	7810200113	50-295 P	NIX, R. T.	7812120253*	50-366 S
MURPHY, C. E.	7812290045*	50-390 Q	NAUGHTON, W. F.	7810230194	50-295 P	NIX, R. T.	7812120404*	50-366 S
MURPHY, C. E.	7812290064*	50-438 Q	NAUGHTON, W. F.	7810300097	50-295 P	NIX, R. T.	781210370*	50-366 S
MURPHY, C. E.	7812290122*	50-327 Q	NAUGHTON, W. F.	7811010069	50-295 P	NIX, R. T.	781210243*	50-366 S
MURPHY, P. M.	7812050347	50-556 Q	NAUGHTON, W. F.	7811210410	50-295 P	NIX, R. T.	781220028*	50-321 S
MURPHY, C. E.	7812280070*	50-424 Q	NAUGHTON, W. F.	7812070172	50-237 F	NIX, R. T.	781210366*	50-321 S
MURPHY, C. E.	7812040049	50-390 Q	NAUGHTON, W. F.	7812120195	50-237 F	NIX, R. T.	7811280242*	50-321 S
MURPHY, C. E.	7812050111	50-327 Q	NAUGHTON, W. F.	7812070211	50-295 P	NIX, R. T.	7812180234*	50-366 S
MURPHY, C. E.	7812060357*	50-389 Q	NAUGHTON, W. F.	7812150230	50-454 K	NIX, R. T.	7812180167*	50-366 S
MURPHY, C. E.	7812280306*	50-395 Q	NAVENTI, R.	7810130182	50-443 A	NIX, R. T.	7812180183*	50-366 S
MURPHY, C. E.	7812070019	50-364 Q	NAVENTI, R.	7810260030	50-443 A	NIX, R. T.	7812180169*	50-321 S
MURPHY, C. E.	7812060025	50-398 Q	NAVENTI, R.	7810260032*	50-443 A	NIX, R. T.	7812180225*	50-366 S
MURPHY, C. E.	7812060065	50-327 Q	NAVENTI, R.	7812050339	50-443 A	NIX, R. T.	7812270296*	50-321 S
MURPHY, C. E.	7812200315*	50-488 Q	NAVENTI, R.	7812110244	50-443 A	NIX, R. T.	7812270318*	50-321 S
MURPHY, C. E.	7812210061*	50-413 Q	NAVENTI, R.	7812080159	50-443 A	NIX, R. T.	7812270329*	50-366 S
MURPHY, C. E.	7812210324*	50-400 Q	NAYLOR, R.	7812290208*	50-346 S	NIX, R. T.	7812270273*	50-366 S
MURPHY, C. E.	7812210345*	50-400 Q	NEELY, D. R.	7810250138*	50-286 Q	NIX, R. T.	7812270317*	50-366 S
MURPHY, C. E.	7812210039*	50-413 Q	NEIL, R. M.	78111300219	50-338 Q	NIX, R. T.	7812270321*	50-366 S
MURPHY, P. M.	7812290255	50-556 Q	NEIBLER, J. H.	7811210013*	50-456 Q	NIX, R. T.	7812270331*	50-366 S
MURPHY, C. E.	7812180333	50-400 Q	NEIBLER, J. H.	7812280316*	50-440 Q	NOLAN, L. L.	7812280256*	50-283 Q
MURPHY, C. E.	7812270357	50-369 Q	NELSON, P. R.	7810300343*	50-201 Q	NOONAN, V. S.	7811020343*	50-344 Q
MURPHY, C. E.	7812280066	50-424 Q	NELSON, Q. E.	7810190216	50-556 Q	NOONAN, V. S.	7812200307*	50-280 Q
MURPHY, C. E.	7812290038	50-390 Q	NELSON, C. C.	7810240026	50-70 P	NORDERHAUG, L. R.	7810120008	50-344 Q
MURPHY, C. E.	7812290055	50-438 Q	NELSON, Q. E.	7810260199	50-556 Q	NORDERHAUG, L. R.	7810190135	50-206 Q
MURPHY, C. E.	7812270272*	50-316 S	NELSON, Q. E.	7811010433	50-556 Q	NORDERHAUG, L. R.	7810200255	50-133 Q
MURPHY, C. E.	7812290114	50-327 Q	NELSON, E. S.	7811150150	50-275 H	NORDERHAUG, L. R.	7812120244	50-312 Q
MURRAY, B.	7811210121*	50-313 Q	NELSON, C. C.	7812180293	50-70 P	NORDERHAUG, L. R.	7812140031	50-394 Q
MURRAY, T. D.	7810180041	50-346 S	NELSON, C. C.	7812180373	50-309 P	NORDERHAUG, L. R.	7812060202	50-312 Q
MURRAY, T. D.	7810310303	50-346 S	NELSON, J.	7811210379*	50-346 S	NORDERHAUG, L. R.	7812060203	50-344 Q
MURRAY, T. D.	7810100060	50-346 S	NELSON, C.	7812180012	50-309 P	NORDERHAUG, L. R.	7812270421	50-142 Q
MURRAY, T. D.	7810120074	50-346 S	NELSON, C.	7812270489	50-302 P	NOREL, I. S. C. E.	7811300117*	50-295 Q
MURRAY, B.	7811170119*	50-128 Q	NEPOM, D. L.	7812040118	50-397 Q	NORRIS, C. E.	7812140263*	50-366 Q
MURRAY, T. D.	7810130142	50-346 R	NEVILLE, D. C.	7810230267	50-368 A	NORRHOLM, L. J.	7811300298*	50-272 Q
MURRAY, T. D.	7810150124	50-346 S	NEWMAN, J. R.	7810130195	50-466 Q	NORRHOLM, L. J.	7812270423*	50-272 Q
MURRAY, T. D.	7810160137	50-346 S	NEWMAN, J. R.	7810130091	50-466 Q	NORRHOLM, L. J.	7812380012*	50-272 Q
MURRAY, T. D.	7810230269	50-346 S	NEWMAN, J. R.	7811080054	50-466 Q	NORRIS, J. A.	7811010098*	50-414 A

NORRIS, J. A.	7812070162	50-556	L	O'REILLY, J. P.	7811210306	50-269	P	OPEKA, J. F.	7812120116
NORTH, H. B.	7811270107	50-244	Q	O'REILLY, J. P.	7811240021	50-280	P	OPEKA, J. F.	7812190301
NORTON, B.	7810300350	50-275	Q	O'REILLY, J. P.	7811290406	50-261	P	OPEKA, J. F.	7812260213
NORTON, B.	7811010039	50-275	Q	O'REILLY, J. P.	7811300033	50-302	P	OPEKA, J. F.	7812290169
NORTON, B.	7812140083	50-275	Q	O'REILLY, J. P.	7811300035	50-269	P	OPEKA, J. F.	7812290205
NOVARRO, J. P.	7810100017	50-322	A	O'REILLY, J. P.	7811300041	50-250	P	OPLINGER, O. Q.	7811130288
NOVARRO, J. P.	7810270190	50-322	S	O'REILLY, J. P.	7811300049	50-259	P	OPLINGER, O. Q.	7812040243
NOVARRO, J. P.	7810180074	50-322	Q	O'REILLY, J. P.	7811300057	50-280	P	OPLINGER, O. Q.	7812040249
NOVARRO, J. P.	7812070115	50-322	S	O'REILLY, J. P.	7811300066	50-321	P	OPLINGER, O. Q.	7812190072
NOVARRO, J. P.	7812140166	50-322	F	O'REILLY, J. P.	7811300035	50-348	P	OPLINGER, O. Q.	7812190074
NOVARRO, J. P.	7812260196	50-322	A	O'REILLY, J. P.	7812040306	50-302	Q	OPREA, Q. W.	7810120061
NOVARRO, J. P.	7812260211	50-322	S	O'REILLY, J. P.	7812040308	50-250	Q	OBANN, E. W.	7811160050
NOVARRO, J. P.	7812260215	50-322	S	O'REILLY, J. P.	7812040310	50-321	Q	OST, F.	7810170212
NOVARRO, J. P.	7812260126	50-322	A	O'REILLY, J. P.	7812040312	50-416	Q	OSTER, J.	7812180210
NOVARRO, J. P.	7812260221	50-322	A	O'REILLY, J. P.	7812040314	50-437	Q	OSTRANDER, F. W.	7811080062
NOVICKI, B. J.	7811160014	50-219	P	O'REILLY, J. P.	7812040318	50-393	Q	OSTRANDER, F. W.	7811100174
NOVICKI, B. J.	7811140072	50-219	P	O'REILLY, J. P.	7812040320	50-280	Q	OSTRANDER, F. W.	7812110321
NOVICKI, B. J.	7812080214	50-219	P	O'REILLY, J. P.	7812040337	50-348	Q	OSTRANDER, F. W.	7811150140
NOVICKI, B. J.	7812080239	50-219	P	O'REILLY, J. P.	7812040339	50-261	Q	OSWALD, P. I.	7811060082
NOVICKI, B. J.	7812270459	50-219	P	O'REILLY, J. P.	7812040363	50-269	Q	OTTERBERG, J.	7810110103
NOVICKI, B. J.	7812220108	50-219	P	O'REILLY, J. P.	7812040369	50-259	Q	OTTOSON, H. L.	7812270196
NUTANT, J. A.	7812060155	50-437	A	O'REILLY, J. P.	7812050230	50-413	Q	OURRE, R. P.	7810310087
NYGAARD, Q. R.	7810110042	50-409	Q	O'REILLY, J. P.	7812080218	50-572	A	OUZTS, J. E.	7810110262
NYGAARD, Q. R.	7810110288	50-409	Q	O'REILLY, J. P.	7812270229	50-327	Q	OUZTS, J. E.	7810310134
NYGAARD, Q. R.	7810200134	50-409	Q	O'REILLY, J. P.	7812280007	50-413	Q	OUZTS, J. E.	7811130229
NYGAARD, Q. R.	7811200395	50-409	Q	O'REILLY, J. P.	7812280014	50-259	Q	OUZTS, J. E.	7812050057
NYGAARD, Q. R.	7812040263	50-409	Q	O'REILLY, J. P.	7812280020	50-348	Q	OUZTS, J. E.	7812140156
NYGAARD, Q. R.	7812270337	50-409	Q	O'REILLY, J. P.	7812280022	50-321	Q	OVER, I. D. T. W.	7812050287
NYGAARD, Q. R.	7812270339	50-409	Q	O'REILLY, J. P.	7812280024	50-324	Q	OVER, I. D. T. W.	7812270245
NYQUIST, R. Q.	7811090149	50-329	A	O'REILLY, J. P.	7812280023	50-302	Q	OWEN, H. H.	7810140063
O'CONNOR, P. W.	7810230165	50-237	P	O'REILLY, J. P.	7812280027	50-424	Q	OWEN, H. H.	7810140064
O'CONNOR, P. W.	7811150246	50-237	P	O'REILLY, J. P.	7812280030	50-416	Q	OWBLEY, Q. F.	7810270108
O'DONNELL, E. P.	7810170165	50-591	K	O'REILLY, J. P.	7812280034	50-393	Q	OWBLEY, Q. F.	7811130249
O'DONNELL, E. P.	7810170168	50-591	K	O'REILLY, J. P.	7812290040	50-280	Q	PADHANABHAN, M.	7812270181
O'DONNELL, E. P.	7811300203	50-591	K	O'REILLY, J. P.	7812290081	50-261	Q	PAGE, B. M.	7811010320
O'HARA, J. C.	7812210066	50-245	P	O'REILLY, J. P.	7812290087	50-250	Q	PAILY, P. P.	7812010122
O'KELLY, A. P.	7810190199	50-322	Q	O'REILLY, J. P.	7812290092	50-269	Q	PANZARELLA, J.	7811200327
O'LEARY, J. F.	7810300362	50-201	Q	OSERO, C. R.	7811020369	50-458	Q	PADLINA, R. F.	7811170299
O'LEARY, J. F.	7811200039	50-437	A	OSERO, C. R.	7811270181	50-482	Q	PADLINA, R. J.	7812010111
O'LEARY, J. F.	7811200033	50-437	A	OSERO, C. R.	7812060112	50-483	Q	PAPALOB, F. A.	7811160123
O'LEARY, J. F.	7811200073	50-437	A	OSERO, C.	7812290233	50-485	Q	PAPPAS, H.	7812050260
O'LEARY, J. F.	7811200069	50-437	A	OSER, C. A.	7810100004	50-409	P	PAPMORTH, L. Q.	7811130209
O'LEARY, J. F.	7811200220	50-437	A	OSER, C. A.	7811300401	50-263	Q	PAPMORTH, L. Q.	7812120132
O'LEARY, J. F.	7811200348	50-437	A	OSER, C. A.	7811300402	50-373	Q	PARADISO, P. J.	7811240044
O'LEARY, J. F.	7811200267	50-437	A	OSER, C. A.	7810110196	50-83	Q	PARADISO, J. W.	7812270164
O'LEARY, J. F.	7811200285	50-437	A	OSER, C. A.	7812060149	50-83	P	PARCELL	7811030148
O'REILLY, J. P.	7810230230	50-259	Q	OSER, C. A.	7811270290	50-201	P	PARCELL	7812150272
O'REILLY, J. P.	7810110056	50-259	Q	OSER, C. A.	7811270297	50-201	R	PARDUE, L. W.	7812130145
O'REILLY, J. P.	7812050029	50-269	Q	OSER, C. A.	7812150036	50-201	R	PARKER, M. O.	7810260106
O'REILLY, J. P.	7810230226	50-259	Q	OSER, C. A.	7810130111	50-516	Q	PARKER, M. O.	7812060272
O'REILLY, J. P.	7810230284	50-413	Q	OSER, C. A.	7810130259	50-516	Q	PARKER, M. O.	7810180076
O'REILLY, J. P.	7810230287	50-269	Q	OSER, C. A.	7810140027	50-329	Q	PARKER, M. O.	7810130056
O'REILLY, J. P.	7810230290	50-302	Q	OSER, C. A.	7812080005	50-329	Q	PARKER, M. O.	7810110090
O'REILLY, J. P.	7810230294	50-416	Q	OSER, C. A.	7812260298	50-329	Q	PARKER, M. O.	7811030221
O'REILLY, J. P.	7810230297	50-437	Q	OSER, C. A.	7812260305	50-329	Q	PARKER, M. O.	7810230158
O'REILLY, J. P.	7810230300	50-259	Q	OSER, C. A.	7812140223	50-329	Q	PARKER, M. O.	7810190027
O'REILLY, J. P.	7810230303	50-393	Q	OSER, C. A.	7812260325	50-329	Q	PARKER, M. O.	7810200162
O'REILLY, J. P.	7810230361	50-348	Q	OSER, C. A.	7810300061	50-286	P	PARKER, M. O.	7810230088
O'REILLY, J. P.	7810230366	50-261	Q	OSER, C. A.	7811010001	50-247	P	PARKER, M. O.	7810110084
O'REILLY, J. P.	7810260004	50-250	Q	OSER, C. A.	7812190182	50-286	P	PARKER, M. O.	7810110145
O'REILLY, J. P.	7810270018	50-321	Q	OSER, C. A.	7811170121	50-317	P	PARKER, M. O.	7810130136
O'REILLY, J. P.	7810300321	50-250	Q	OSER, C. A.	7811240214	50-317	P	PARKER, M. O.	7810130174
O'REILLY, J. P.	7810270252	50-324	Q	OSER, C. A.	7812260044	50-263	Q	PARKER, M. O.	7810160101
O'REILLY, J. P.	7811150073	50-259	Q	OPEKA, J. F.	7811290292	50-245	R	PARKER, M. O.	7810180126
O'REILLY, J. P.	7811150081	50-413	Q	OPEKA, J. F.	7810101025	50-336	S	PARKER, M. O.	7811100119
O'REILLY, J. P.	7811150085	50-269	Q	OPEKA, J. F.	7810120089	50-245	S	PARKER, M. O.	7810230029
O'REILLY, J. P.	7811150087	50-261	Q	OPEKA, J. F.	7810160117	50-245	S	PARKER, M. O.	7810250200
O'REILLY, J. P.	7811150094	50-416	Q	OPEKA, J. F.	7810160126	50-336	R	PARKER, M. O.	7810310302
O'REILLY, J. P.	7811150098	50-302	Q	OPEKA, J. F.	7810200087	50-245	R	PARKER, M. O.	7810200068
O'REILLY, J. P.	7811150103	50-250	Q	OPEKA, J. F.	7810230207	50-245	S	PARKER, M. O.	7810200082
O'REILLY, J. P.	7811150110	50-280	Q	OPEKA, J. F.	7811080143	50-336	S	PARKER, M. O.	7810240002
O'REILLY, J. P.	7811150114	50-348	Q	OPEKA, J. F.	7811080155	50-336	S	PARKER, M. O.	7810231029
O'REILLY, J. P.	7811150118	50-321	Q	OPEKA, J. F.	7811140187	50-243	S	PARKER, M. O.	7810310336
O'REILLY, J. P.	7811150122	50-393	Q	OPEKA, J. F.	7811140202	50-336	S	PARKER, M. O.	7811080214
O'REILLY, J. P.	7811150125	50-437	Q	OPEKA, J. F.	7811140167	50-245	S	PARKER, M. O.	7811100110
O'REILLY, J. P.	7812130300	50-324	Q	OPEKA, J. F.	7811160089	50-245	S	PARKER, M. O.	7810270072
O'REILLY, J. P.	7811210256	50-250	P	OPEKA, J. F.	7811140110	50-336	R	PARKER, M. O.	7810300377
O'REILLY, J. P.	781210270	50-302	P	OPEKA, J. F.	7811170104	50-243	R	PARKER, M. O.	7812130990
O'REILLY, J. P.	781210273	50-261	P	OPEKA, J. F.	7811210268	50-336	R	PARKER, M. O.	7811080107
O'REILLY, J. P.	781210279	50-416	A	OPEKA, J. F.	7811210280	50-245	S	PARKER, M. O.	7810240147
O'REILLY, J. P.	7811210288	50-259	P	OPEKA, J. F.	7811280293	50-336	S	PARKER, M. O.	7810250089
O'REILLY, J. P.	7811210293	50-393	A	OPEKA, J. F.	7812050153	50-336	S	PARKER, M. O.	7810250153
O'REILLY, J. P.	7811210296	50-348	P	OPEKA, J. F.	7812080117	50-243	S	PARKER, M. O.	7810310008
O'REILLY, J. P.	7811210297	50-321	P	OPEKA, J. F.	7812080126	50-245	S	PARKER, M. O.	781010160
O'REILLY, J. P.	7811210298	50-269	P	OPEKA, J. F.	7812120108	50-336	S	PARKER, M. O.	7811010162

AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY
PARKER, W. O.	7810300182	50-269 P	PARR, O. D.	7812130370	50-311 A	PFEFFERKORN, W.	7810260065	50-488
PARKER, W. O.	7811010412	50-369 F	PARR, O. D.	7812180260	50-311 A	PFEFFERKORN, L.	7811150101	50-488
PARKER, W. O.	7810270129	50-269 F	PARR, O. D.	7812150168	50-373 A	PFEFFERKORN, H.	7810300332	50-488
PARKER, W. O.	7811130354	50-369 G	PARR, O. D.	7812190050	50-471 I	PFEFFERKORN, H.	7810300336	50-488
PARKER, W. O.	7812050025	50-269 G	PARR, O. D.	7812200107	50-338 P	PFEFFERKORN, H.	7812040297	50-488
PARKER, W. O.	7811010104	50-269 P	PARR, O. D.	7812260280	50-404 A	PHELAN, J. F.	7810180104	50-10
PARKER, W. O.	7811130374	50-369 Q	PARR, O. D.	7812290027	50-311 F	PHELAN, J. F.	7811140169	50-10
PARKER, W. O.	7811020255	50-269 P	PARR, O. D.	7812290269	50-387 A	PHELAN, J. F.	7812130186	50-10
PARKER, W. O.	7811070214	50-270 P	PARR, O. D.	7812270155	50-508 A	PHILLIPS, H. B.	7810260184	50-341
PARKER, W. O.	7811060137	50-270 B	PATE, R. J.	7810110212	50-361 Q	PHILLIPS, D. L.	7810300177	50-275
PARKER, W. O.	7811090110	50-369 F	PATE, R. J.	7811270046	50-361 Q	PHILLIPS, D. L.	7810300229	50-275
PARKER, W. O.	7811140114	50-269 P	PATE, R. J.	7812110240	50-361 Q	PHILLIPS, H. B.	7810300113	50-341
PARKER, W. O.	7811150179	50-270 P	PATE, R. J.	7812210380	50-206 Q	PHILLIPS, J. P.	7810160135	50-275
PARKER, W. O.	7812040328	50-269 Q	PATE, R. J.	7812280224	50-361 Q	PHILLIPS, J. P.	7810190262	50-275
PARKER, W. O.	7811160065	50-269 P	PATON, W. D.	7811290026	50-556 Q	PHILLIPS, J. P.	7810190267	50-275
PARKER, W. O.	7811160079	50-269 P	PATON, W. D.	7810300302	50-556 Q	PHILLIPS, J. P.	7810190269	50-275
PARKER, W. O.	7811160134	50-269 P	PATON, W. D.	7811060054	50-518 Q	PHILLIPS, J. P.	7810270294	50-275
PARKER, W. O.	7811160153	50-269 A	PATON, W. D.	7811080206	50-518 Q	PHILLIPS, H. B.	7812280244	50-366
PARKER, W. O.	7811280378	50-269 G	PATON, W. D.	7811130034	50-397 H	PHILLIPS, O. A.	7812140263	50-366
PARKER, W. O.	7812010162	50-369 A	PATON, W. D.	7811130264	50-397 H	PIECK, T. A.	7811240220	50-304
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PARKER, W. O.	7811270165	50-369 K	PATON, W. D.	7811290305	50-397 Q	PIERCE, A. C.	7811280118	50-201
PARKER, W. O.	7811270168	50-369 K	PATON, W. D.	7812070235	50-518 Q	PIGOTT, D. R.	7811060050	50-361
PARKER, W. O.	7811270187	50-369 A	PATON, W. D.	7812070240	50-389 Q	PIGOTT, D. R.	7812010142	50-206
PARKER, W. O.	7812060120	50-269 Q	PATON, W. D.	7812080015	50-556 Q	PIGOTT, J. M.	7810230213	50-275
PARKER, W. O.	7811300172	50-270 B	PATON, W. D.	7812180106	50-397 H	PILANT, J. M.	7811080112	50-298
PARKER, W. O.	7812130367	50-369 G	PATON, W. D.	7812210239	50-397 Q	PILANT, J. M.	7810170152	50-298
PARKER, W. O.	7812010244	50-269 B	PATON, W. D.	7812280317	50-397 Q	PILANT, J. M.	7810120037	50-298
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PARKER, W. O.	7812070317	50-269 Q	PAULUS, R. C.	7810300334	50-201 Q	PILANT, J. M.	7811140130	50-298
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PARKER, W. O.	7812130306	50-269 Q	PAKTON, H. C.	7811100050	50-344 T	PILANT, J. M.	7812060052	50-298
PARKER, W. O.	7812140041	50-269 Q	PAKTON, H. C.	7811130305	50-344 T	PILANT, J. M.	7812040196	50-298
PARKER, W. O.	7812140053	50-269 Q	PAKTON, H. C.	7811100038	50-344 T	PILANT, J. M.	7812060148	50-298
PARKER, W. O.	7812180188	50-270 B	PAXTON, H. C.	7811100024	50-344 T	PILANT, J. M.	7812130166	50-298
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PARKER, W. O.	7812190153	50-287 B	PAXTON, H. C.	7812280003	50-344 T	PLASKON, R. E.	7810230274	50-316
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PARR, O. D.	7810250192	50-373 E	PERKINS, T. J.	7811130400	50-220 B	PORTER, W. L.	7812120230	50-488
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PURDOM, P. W.	7812130056	50-336 T	REED, C.	7812070121	50-434 K	REID, R. W.	7811030088	50-318 P
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RALPH, R.	7811090126	50-249 S	REGAN, W. H.	7811130328	50-582 A	REID, R. W.	7811210002	50-73 P
RALPH, R.	7812120134	50-249 S	REGAN, W. H.	7811130332	50-582 A	REID, R. W.	7811280389	50-289 P
RALPH, R.	7812210252	50-249 S	REGAN, W. H.	7811170016	50-582 A	REID, R. W.	7811200346	50-312 P
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RANDOLPH, J. H.	7810180109	50-313 S	REGAN, W. H.	7811300019	50-329 A	REID, R. W.	7811290318	50-309 P
RANDOLPH, J. H.	7810270193	50-313 S	REGAN, W. H.	7812110040	50-397 Q	REID, R. W.	7811290319	50-309 P
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RANDOLPH, J. H.	7812120186	50-316 S	REGAN, W. H.	7812060376	50-361 A	REID, R. W.	7811270169	50-70 P
RANDOLPH, J. H.	7812270260	50-316 S	REGAN, W. H.	7812070034	50-361 D	REID, R. W.	7811280092	50-57 P
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RAUSCH, J. K.	7811130108	50-327 Q	REGAN, W. H.	7812140294	50-438 A	REID, R. W.	7811280210	50-123 P
RAUSCH, J. K.	7811200188	50-318 Q	REGAN, W. H.	7812140303	50-438 A	REID, R. W.	7811280382	50-302 P
RAUSCH, J. K.	7811240068	50-424 Q	REGAN, W. H.	7812140376	50-392 A	REID, R. W.	7812010344	50-312 P
RAUSCH, J. K.	7812130005	50-327 Q	REGAN, W. H.	7812150003	50-397 Q	REID, R. W.	7812010347	50-312 P
RAUSCH, J. K.	7812080032	50-318 Q	REGAN, W. H.	7812210023	50-361 A	REID, R. W.	7812010362	50-312 P
RAUSCH, J. K.	7812180353	50-416 Q	REID, R. W.	7812130368	50-344 P	REID, R. W.	7812040071	50-148 P
RAUSCH, J. K.	7812130298	50-491 Q	REID, R. W.	7812130376	50-344 P	REID, R. W.	7812040074	50-148 P
RAUSCH, J. K.	7812200319	50-488 Q	REID, R. W.	7810250211	50-302 P	REID, R. W.	7811200350	50-313 P
RAYMOND, W. J.	7811130275	50-334 Q	REID, R. W.	7810250144	50-70 A	REID, R. W.	7812010005	50-289 P
RAYMOND, W. A.	7810180123	50-133 R	REID, R. W.	7810230141	50-87 P	REID, R. W.	7812010152	50-312 P
RAYMOND, W. J.	7812060304	50-244 Q	REID, R. W.	7810200017	50-193 P	REID, R. W.	7812210453	50-302 P
RAYMOND, W. J.	7812270153	50-334 Q	REID, R. W.	7810200021	50-193 P	REID, R. W.	7812180045	50-289 P
RAYMOND, W. A.	7811150146	50-133 P	REID, R. W.	7810200099	50-313 P	REID, R. W.	7812180047	50-289 P
RAYMOND, W. A.	7812150310	50-133 R	REID, R. W.	7810200102	50-270 P	REID, R. W.	7812180051	50-289 P
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READ, J. B.	7811220088	50-349 T	REID, R. W.	7811020087	50-312 P	REID, R. W.	7812180072	50-289 P
REAVES, T. E.	7812050191	50-416 A	REID, R. W.	7811020098	50-312 P	REID, R. W.	7812180079	50-289 P
REAVIS, J. E.	7810200083	50-269 R	REID, R. W.	7810230271	50-313 P	REID, R. W.	7812180083	50-289 P
REAVIS, J.	7812210160	50-269 R	REID, R. W.	7810230273	50-313 P	REID, R. W.	7812140095	50-20 P
REBELOWSKI, T.	7811080248	50-286 Q	REID, R. W.	7810230281	50-313 P	REID, R. W.	7812140098	50-20 P
REBELOWSKI, T.	7811300340	50-247 Q	REID, R. W.	7811020014	50-269 E	REID, R. W.	7812140379	50-317 P
REBELOWSKI, T.	7812010062	50-286 Q	REID, R. W.	7810230147	50-99 F	REID, R. W.	7812180076	50-182 P
REDEKER, S. J.	7810180035	50-133 S	REID, R. W.	7810230163	50-2 F	REID, R. W.	7812180079	50-182 P
REED, Q. A.	7810190136	50-266 P	REID, R. W.	7810310297	50-112 P	REID, R. W.	7812150070	50-335 P
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REED, C.	7810120036	50-295 P	REID, R. W.	7811030079	50-317 P	REID, R. W.	7812150078	50-302 P
REED, C.	7811010009	50-10 Q	REID, R. W.	7811080036	50-284 P	REID, R. W.	7812150079	50-317 P
REED, C.	7810250102	50-293 P	REID, R. W.	7811080038	50-284 P	REID, R. W.	7812150083	50-269 P
REED, C.	7810230181	50-373 A	REID, R. W.	7811020140	50-2 P	REID, R. W.	7812150084	50-313 P
REED, M.	7811240224	50-265 S	REID, R. W.	7811020146	50-2 P	REID, R. W.	7812150087	50-289 P
REED, C.	7810270180	50-237 P	REID, R. W.	7811020272	50-89 P	REID, R. W.	7812150091	50-336 P
REED, A.	7810270283	50-267 S	REID, R. W.	7811020274	50-59 P	REID, R. W.	7812150098	50-309 P
REED, C.	7811020322	50-10 P	REID, R. W.	7811020277	50-59 P	REID, R. W.	7812150100	50-346 P
REED, C.	7811030161	50-10 P	REID, R. W.	7811030222	50-59 F	REID, R. W.	7812150102	50-312 P
REED, C.	7811020258	50-373 K	REID, R. W.	7811030224	50-113 P	REID, R. W.	7812180060	50-13 P
REED, C.	7811070168	50-295 P	REID, R. W.	7811030228	50-113 P	REID, R. W.	7812180064	50-13 P
REED, C.	7812060059	50-456 Q	REID, R. W.	7811070376	50-83 F	REID, R. W.	7812140383	50-309 P
REED, C.	7811210314	50-454 A	REID, R. W.	7811010233	50-317 P	REID, R. W.	7812180376	50-283 P
REED, M.	7812110183	50-234 S	REID, R. W.	7811060013	50-2 P	REID, R. W.	7812180380	50-285 P
REED, C.	7811270091	50-293 P	REID, R. W.	7811060015	50-2 P	REID, R. W.	7812180390	50-285 P
REED, C.	7811270170	50-234 P	REID, R. W.	7811020228	50-289 P	REID, R. W.	7812260288	50-243 P
REED, C.	7811280213	50-10 P	REID, R. W.	7811030063	50-62 P	REID, R. W.	7812150082	50-245 P
REED, C.	7812060020	50-294 P	REID, R. W.	7810280021	50-97 F	REID, R. W.	7812150107	50-285 P
REED, C.	7811280278	50-293 P	REID, R. W.	7811010363	50-313 P	REID, R. W.	7812150114	50-285 P
REED, C.	7812130122	50-456 Q	REID, R. W.	7811030009	50-224 F	REID, R. W.	7812150119	50-285 P
REED, C.	7811280264	50-373 K	REID, R. W.	7811030014	50-27 F	REID, R. W.	7812180303	50-116 P

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REID, R. W.	7812180371	50-131 P	RHODE, Q. K.	7812070192	50-410 B	ROISMAN, A. Z.	7812270036	50-437
REID, R. W.	7812180281	50-289 P	RHODE, Q. K.	7812070219	50-410 A	ROISMAN, A. Z.	7812110070	50-437
REID, R. W.	7812210391	50-312 P	RHODE, Q. K.	7812280196	50-410 Q	ROISMAN, A. Z.	7812110074*	50-437
REID, R. W.	7812260295*	50-245 P	RHODE, Q. K.	7812200202	50-410 A	ROISMAN, A. Z.	7812280271	50-237
REID, R. W.	7812260306*	50-245 P	RICE, R. M.	7812200100*	50-329 A	ROISMAN, A. Z.	7812280280*	50-237
REID, R. W.	7812260062	50-269 P	RICE, L.	7812080024	50-275 Q	ROKASY, J. S.	7811080045	50-380
REID, R. W.	7812270116	50-312 F	RICHARDS, W.	7811020298*	50-59 P	ROKASY, J. S.	7811130344*	50-380
REID, R. W.	7812270401	50-73 P	RICHARDS, B. R.	7810270097*	50-219 R	ROHNEY, K. H.	7810310103*	50-317
REID, R. W.	7812270409*	50-73 P	RICHARDSON, C. K.	7812110164*	50-275 B	ROHNEY, K. H.	7810310216*	50-318
REID, R. W.	7812280238	50-269 P	RICHARDS, B.	7812140153	50-252 J	ROHNEY, K. H.	7811170171*	50-318
REID, R. W.	7812280247*	50-269 P	RIDEN, M. D.	7811080074*	50-295 Q	ROHNEY, K.	7811170187*	50-318
REID, R. W.	7812280297	50-70 P	RIDEN, M. D.	7812210054	50-282 Q	ROHNEY, K. H.	7811290267*	50-317
REID, R. W.	7812290007	50-62 P	RIDGWAY, M. R.	7811300141*	50-155 Q	ROME, A. H.	7812200240*	50-219
REID, R. W.	7812290008*	50-62 P	RIDGWAY, K. R.	7812060077*	50-409 Q	ROOD, H.	7811200063*	50-437
REID, R. W.	7812290188	50-346 P	RIDINGER, B. A.	7812140072*	50-70 Q	ROOD, H.	7811200358*	50-437
REINERT, S.	7811010267	50-443 Q	RILEY, B. W.	7810110302*	50-324 Q	ROOD, H.	7811200380*	50-437
REINERT, S.	7810300085	50-443 Q	RILEY, B. W.	7811280012*	50-321 Q	ROOD, H.	7811200342*	50-437
REINERT, S.	7811210467	50-485 Q	RILEY, J.	7811080060	50-369 Q	ROOD, H.	7811200359*	50-437
REINMUTH, Q. W.	7810130187*	50-556 Q	RINGLE, J. C.	7812270197*	50-106 P	ROOD, H.	7811200381	50-361
REIS, E. J.	7811270264	50-400 Q	RISCHLING, J.	7810180018*	50-316 B	ROOD, H.	7811280001	50-361
REIS, E. J.	7811290346	50-400 Q	RISCHLING, J.	7810180005*	50-316 B	ROOD, H.	7812030367	50-361
REIS, E. J.	7812180228	50-409 Q	RISCHLING, J. L.	7810180030*	50-316 B	ROOD, H.	7812180450	50-361
REIS, E. J.	7812040006	50-485 Q	RISCHLING, J.	7810310155*	50-316 B	ROONEY, V. L.	7811280439	50-133
REIS, E. J.	7812140365	50-566 Q	RISCHLING, J. L.	7810310199*	50-316 B	ROONEY, V. L.	7812070314	50-133
REIS, E. J.	7812150340	50-400 Q	RISCHLING, J.	7811090153*	50-316 B	ROSA, F.	7812040327*	50-275
REIS, E. J.	7812150344*	50-400 Q	RISCHLING, J.	7811090158*	50-316 B	ROSE, D. Q.	7811170297	50-266
REIS, E. J.	7812270424	50-247 Q	RISCHLING, J.	7811140218*	50-316 Q	ROSE, D. Q.	7811220012	50-358
REIS, E. J.	7812280278	50-400 Q	RISCHLING, J. L.	7812080070*	50-316 B	ROSE, D. Q.	7812140105	50-322
REISS, J.	7810170222*	50-304 B	RISCHLING, J. L.	7812180212*	50-316 B	ROSENBERG, A. B.	7810230015*	50-445
REISS, J.	7810170242*	50-304 B	RISCHLING, J. L.	7812270235*	50-316 B	ROSENBERG, A. B.	7811060105*	50-382
REISS, J. F.	7812210239*	50-295 B	RISCHLING, J. L.	7812270264*	50-316 B	ROSENBERG, A. B.	7811200218*	50-498
REMICKE, F. J.	7811080021*	50-518 Q	RIBLEY, J.	7810160146*	50-409 P	ROSENTHAL, J. E.	7810310016	50-266
REMICKE, F. J.	7812040047	50-295 Y	RIBTOWICH, S.	7810190267*	50-275 Q	ROSENBERG, A. B.	7812060342*	50-445
REMICKE, F. J.	7812040045	50-295 Y	RITISHER, J. A.	7810102244	50-443 Q	ROSENBERG, A. B.	7812210179*	50-445
RENAUD, J.	7810250006	50-466 Q	RITISHER, J. A.	7811080195	50-568 Q	ROSENBERG, H.	7812110219	50-275
RENBERGER, D. L.	7811070147*	50-397 Q	RITISHER, J. A.	7810310185	50-443 A	ROSENTHAL, A. B.	7812130053	50-356
RENBERGER, D. L.	7810110206*	50-460 Q	RITISHER, J. A.	7811070138	50-443 I	ROSDALE, E.	7811020037	50-344
RENBERGER, D. L.	7811010119	50-397 A	RITT, F. H.	7812140244	50-445 H	ROSS, D. A.	7810100070	50-219
RENBERGER, D. L.	7811020243	50-460 I	ROBERTS, J. C.	7811090149*	50-329 A	ROSS, D. A.	7810100075*	50-219
RENBERGER, D. L.	7811020249*	50-460 I	ROBERTSON, R. C.	7811270034*	50-488 A	ROSS, D. A.	7811080258*	50-219
RENBERGER, D. L.	7811070269	50-397 C	ROBERTS, M.	7812270335	50-295 Q	ROSS, D. A.	7810120071	50-219
RENBERGER, D. L.	7811220197*	50-397 B	ROBERTS, C. P.	7812210374	50-395 M	ROSS, D. A.	7810120076*	50-219
RENBERGER, D. L.	7811280265	50-397 A	ROBINSON, J. K.	7811300100	50-338 A	ROSS, D. A.	7811080234*	50-219
RENBERGER, D. L.	7812070208	50-397 B	ROBINSON, J. K.	7812060216	50-338 H	ROSS, D. A.	7810180006*	50-219
RENBERGER, D. L.	7812130110	50-397 C	RODGER, W. A.	7812050254*	50-349 T	ROSS, D. A.	7810180007*	50-219
RENBERGER, D. L.	7812130180	50-397 R	RODT, J. P.	7810190156	50-393 A	ROSS, D. A.	7810230259	50-219
RENBERGER, D. L.	7812210161*	50-460 Q	RODRIGUEZ, R. J.	7810110124	50-312 R	ROSS, D. A.	7810240105	50-219
RENBERGER, D. L.	7812290148	50-508 A	RODRIGUEZ, R. J.	7811160076	50-312 R	ROSS, D. A.	7810240107*	50-219
RENBERGER, D. L.	7812270183	50-397 A	RODRIGUEZ, R. J.	7812200196	50-312 R	ROSS, D. A.	7812070288*	50-219
RENBERGER, D. L.	7812280144	50-397 C	ROE, L. E.	7810270171	50-346 P	ROSS, D. A.	7812010131*	50-219
RENTFRD, H. E.	7810110238*	50-466 Q	ROE, L. E.	7810270177	50-346 P	ROSS, D. A.	7811210239	50-219
RESCEK, K. F.	7812110182*	50-295 B	ROE, L. E.	7811010066	50-300 A	ROSS, D. A.	7811200204	50-219
RESNIKOFF, M.	7812270009*	50-220 P	ROE, L. E.	7811010129	50-300 I	ROSS, D. A.	7811200207*	50-219
REUTER, F.	7812010249*	50-447 A	ROE, L. E.	7811060118	50-346 P	ROSS, D. A.	7811210321	50-219
REUTER, A. L.	7812130199	50-549 Q	ROE, L. E.	7811170100	50-346 F	ROSS, D. A.	7811210324*	50-219
REUTER, D. A.	7811210187	50-368 R	ROE, L. E.	7811200178	50-346 F	ROSS, D. A.	7811280193	50-219
REUTTER, J. M.	7811200099*	50-346 R	ROE, L. E.	7811220174	50-346 F	ROSS, D. A.	7811280196*	50-219
REUTTER, J. M.	7811200098*	50-346 R	ROE, L. E.	7811220158	50-300 E	ROSS, D. A.	7812070820*	50-219
REUTTER, J. M.	7811200100*	50-346 R	ROE, L. E.	7812040228	50-346 F	ROSS, D. A.	78120708219	50-219
REVELLEY, W. T.	7810240038	50-816 Q	ROE, L. E.	7812050163	50-346 P	ROSS, W. J.	7812130233	50-382
REVELLEY, W. T.	7811200307	50-516 Q	ROE, L. E.	7812190081	50-346 P	ROSS, W. M.	7812180246	50-329
REVELLEY, W. T.	7811290087	50-816 Q	ROE, L. E.	7812180206	50-346 F	ROSS, D. A.	7812190107	50-219
REYES, L. A.	7811010029*	50-10 Q	ROE, L. E.	7812180134	50-346 P	ROSS, D. A.	7812200190	50-219
REYES, L. A.	7811090189*	50-315 Q	ROE, L. E.	7812200166	50-500 A	ROSS, D. A.	7812270314	50-219
REYES, L. A.	7812010129*	50-253 Q	ROE, L. E.	7812270256	50-346 F	ROSS, D. A.	7812270323*	50-219
REYNOLDS, N. B.	7810110064	50-397 Q	ROGERS, R. F.	7811010428*	50-280 Q	ROSS, D. A.	7812290213	50-219
REYNOLDS, N. B.	7810110279	50-445 Q	ROGERS, C. L.	7810170187*	50-295 B	ROSS, D. A.	7812290219*	50-219
REYNOLDS, N. B.	7810200001	50-397 Q	ROGERS, M. C.	7811080245*	50-271 Q	ROSS, D. A.	7810300174*	50-277
REYNOLDS, W. B.	7810200177	50-483 Q	ROGERS, V. C.	7810170056	50-201 P	ROSS, D. A.	7810300169	50-277
REYNOLDS, W. B.	7810200182*	50-483 Q	ROGERS, R.	7810110092*	50-287 P	ROSS, D. A.	7812110022	50-330
REYNOLDS, W. B.	7810240227	50-483 Q	ROGERS, C. L.	7810170234*	50-295 B	ROTH, J. M.	7810190248	50-87
REYNOLDS, W. B.	7811030285	50-346 M	ROGERS, C. L.	7811240213*	50-295 B	ROTH, A. J.	7811030245	50-592
REYNOLDS, W. B.	7811070137	50-346 M	ROGERS, W. H.	7810230176*	50-321 B	ROTHMAN, J. J.	7810310036*	50-333
REYNOLDS, W. B.	7811130071	50-483 Q	ROGERS, C. L.	7811240147*	50-304 B	ROWE, J. K.	7812040311	50-295
REYNOLDS, W. B.	7811130146	50-346 M	ROGERS, C.	7811240229*	50-295 B	ROWLAND, F. S.	7812060145	50-326
REYNOLDS, W. B.	7811130230*	50-346 M	ROGERS, R. F.	7812060350*	50-321 Q	RUETER, D. A.	7811220134	50-368
REYNOLDS, W. B.	7811130230*	50-346 M	ROGERS, C. L.	7812110129*	50-295 B	RUETER, D. A.	7812180163	50-368
REYNOLDS, W. B.	7811130230*	50-346 M	ROGERS, W. H.	7811280224*	50-366 B	RUFF, A.	7812040274*	50-327
REYNOLDS, W. B.	7811270048	50-483 Q	ROGERS, R. F.	7812280294*	50-321 Q	RUFF, E. J.	7812150226	50-413
REYNOLDS, W. B.	7811270050*	50-483 Q	ROHNER, M. M.	7812210074*	50-245 P	RUHLMAN, W. A.	7811080097*	50-286
REYNOLDS, W. B.	7812110284	50-483 Q	ROISMAN, A. Z.	7810120088	50-369	RUHLMAN, W.	7812010103*	50-309
REYNOLDS, N. B.	7811300008	50-445 M	ROISMAN, A. Z.	7810300063	50-237 Q	RUITER, Q. H.	7810100062*	50-305
REYNOLDS, N. B.	7812270141	50-397 Q	ROISMAN, A. Z.	7810300268	50-437 Q	RUITER, Q. H.	7810230251*	50-305
REYNOLDS, W. B.	7812130057	50-483 Q	ROISMAN, A. Z.	7811180223	50-237 Q	RUITER, Q. H.	7810240138*	50-305
RHODES, J. O.	7810300167*	50-514 Q	ROISMAN, A. Z.	7811180227	50-437 Q	RUITER, Q. H.	7811220199*	50-305

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RUITER, O. H.	7811280305*	50-305 B	SCHNEIDER, R. R.	7811150041*	50-220 Q	SCHWENCER, A.	7811150249	50-247 F
RUITER, O. H.	7811280310*	50-305 B	SCHNEIDER, R. R.	7811150189*	50-220 Q	SCHWENCER, A.	7811170141	50-344 P
RUSSELL, T. W.	7810230145	50-98 P	SCHNEIDER, R. R.	7810300146	50-220 P	SCHWENCER, A.	7811170143*	50-344 P
RUSSELL, L. B.	7811170165	50-318 B	SCHNEIDER, R. R.	7811090155	50-220 S	SCHWENCER, A.	7811150171	50-247 P
RUSSELL, L. B.	7811170179	50-318 B	SCHNEIDER, R. R.	7811090206*	50-220 S	SCHWENCER, A.	7811170082	50-280 P
RUSSELL, L. B.	7811210407	50-317 B	SCHNEIDER, R. R.	7811090271	50-220 S	SCHWENCER, A.	7811210200	50-286 P
RUSSELL, L. B.	7811300196	50-317 B	SCHNEIDER, R. R.	7811210302	50-220 R	SCHWENCER, A.	7811210205*	50-286 P
RUSSELL, L. B.	7811290264	50-317 B	SCHNEIDER, R. R.	7811210281	50-220 R	SCHWENCER, A.	7811210213*	50-286 P
RUSSELL, L. B.	7811300211	50-318 B	SCHNEIDER, R. R.	7812120102	50-220 R	SCHWENCER, A.	7811290192	50-280 P
RUSSELL, H. K.	7812270025	50-275 Q	SCHNEIDER, R. R.	7812140149	50-220 S	SCHWENCER, A.	7811290166*	50-280 P
RUSSELL, L. B.	7812130170	50-318 B	SCHOCK, D.	7811010132	50-568 A	SCHWENCER, A.	7811290168*	50-280 P
RUSSELL, L. B.	7812130183	50-318 B	SCHOCK, D.	7812010204	50-568 A	SCHWENCER, A.	7811290175*	50-280 P
RUSSELL, L. B.	7812130189	50-317 B	SCHOPPMAN, M. A.	7810100102*	50-335 S	SCHWENCER, A.	7811280344	50-313 P
RUSSELL, L. B.	7812260244	50-318 B	SCHOPPMAN, M. A.	7810100092*	50-335 S	SCHWENCER, A.	7811270018	50-313 P
RYAN, L. J.	7811070355*	50-70 P	SCHOPPMAN, M. A.	7810100093*	50-335 S	SCHWENCER, A.	7811270019*	50-313 P
RYAN, L. J.	7810300272	50-556 Q	SCHOPPMAN, M. A.	7810120052*	50-251 S	SCHWENCER, A.	7811270020*	50-313 P
RYAN, J. D.	7811070285	50-341 Q	SCHOPPMAN, M. A.	7810120051*	50-335 S	SCHWENCER, A.	7811270021*	50-313 P
RYAN, T. G.	7812260328	50-445 M	SCHOPPMAN, M. A.	7811080150*	50-251 S	SCHWENCER, A.	7811270023*	50-313 P
SACK, E. J.	7812270060	50-247 Q	SCHOPPMAN, M. A.	78101170245*	50-335 S	SCHWENCER, A.	7811280170	50-250 F
SAHM, J. W.	7810300166*	50-267 S	SCHOPPMAN, M. A.	7810200096*	50-251 S	SCHWENCER, A.	7811280172*	50-250 F
SALTZMAN, J.	7809150539*	50-13 J	SCHOPPMAN, M. A.	7810200117*	50-251 S	SCHWENCER, A.	7811280174*	50-280 F
SALTZMAN, J.	7810110146*	50-331 J	SCHOPPMAN, M. A.	7810200169*	50-335 S	SCHWENCER, A.	7811280178*	50-280 F
SALTZMAN, J.	7810110101*	50-264 J	SCHOPPMAN, M. A.	7810200253*	50-251 S	SCHWENCER, A.	7811290068	50-280 P
SALTZMAN, J.	7811210173*	50-358 J	SCHOPPMAN, M. A.	7811060148*	50-250 S	SCHWENCER, A.	7811220113	50-348 P
SALTZMAN, J.	7810180140*	50-338 J	SCHOPPMAN, M. A.	7811060152*	50-250 S	SCHWENCER, A.	7811220118*	50-348 P
SALTZMAN, J.	7811300218*	50-433 J	SCHOPPMAN, M. A.	7811060163*	50-251 S	SCHWENCER, A.	7811220125*	50-348 P
SALTZMAN, J.	7811280276*	50-272 J	SCHOPPMAN, M. A.	7811080217*	50-335 S	SCHWENCER, A.	7811220239	50-334 P
SALTZMAN, J.	7812130008*	50-133 J	SCHOPPMAN, M. A.	7811220203*	50-250 S	SCHWENCER, A.	7811270136	50-261 P
SALTZMAN, J.	7812140157*	50-252 J	SCHOPPMAN, M. A.	7811300190*	50-335 S	SCHWENCER, A.	7811280403	50-282 P
SAMMONS, R. P.	7811270080*	50-315 S	SCHOPPMAN, M. A.	7812040222*	50-251 S	SCHWENCER, A.	7811290010	50-282 P
SANDERS, W.	7812130112*	50-352 Q	SCHOPPMAN, M. A.	7812040189*	50-250 S	SCHWENCER, A.	7811270039	50-348 P
SANDERS, W. F.	7812060346*	50-271 Q	SCHOPPMAN, M. A.	7812050133*	50-335 S	SCHWENCER, A.	7811270061*	50-348 P
SANDERS, W. F.	7812180082*	50-20 Q	SCHOPPMAN, M. A.	7812050181*	50-251 S	SCHWENCER, A.	7811270066*	50-348 P
SANDVIK, R. H.	7810270334*	50-344 Q	SCHOPPMAN, M. A.	7812050198*	50-335 S	SCHWENCER, A.	7811280385	50-334 P
SANDVIK, R. H.	7810300162	50-514 Q	SCHOPPMAN, M. A.	7812270312*	50-251 S	SCHWENCER, A.	7811280079	50-305 P
SANDVIK, R. H.	7811080062	50-344 Q	SCHRIEBER, D. L.	7810230156	50-327 A	SCHWENCER, A.	7811280359	50-305 P
SANDVIK, R. H.	7812110321	50-344 Q	SCHULMAN, J. H.	7812150279	50-346 M	SCHWENCER, A.	7811300022	50-272 F
BANDER, H. S.	7810240037	50-566 Q	SCHUMACHER, K. B.	7812010166	50-317 P	SCHWENCER, A.	7812040224	50-272 F
BAUER, J.	7810240077*	50-259 R	SCHUMACHER, K. B.	7812130387*	50-344 P	SCHWENCER, A.	7811290368	50-282 F
SCHACKLEFORD, B.	7811220182*	50-275 A	SCHUMACHER, K. C.	7810260183*	50-155 Q	SCHWENCER, A.	7812140062	50-348 P
SCHAEFER, W.	7811200275	50-266 Q	SCHUMACHER, M. C.	7811140189*	50-315 Q	SCHWENCER, A.	7812080148	50-250 F
SCHAEFER, W.	7812180267	50-305 Q	SCHWARZ, M. D.	7812040367	50-498 Q	SCHWENCER, A.	7812110085	50-344 P
SCHETD, K.	7812200127	50-546 S	SCHWAN, C. A.	7812140086*	50-10 Q	SCHWENCER, A.	7812140332	50-272 P
SCHILL, B.	7811130202	50-295 Q	SCHWENCER, A.	7812130069	50-70 P	SCHWENCER, A.	7812140351	50-286 P
SCHERER, A. E.	7810300244	50-470 K	SCHWENCER, A.	7812180411	50-70 P	SCHWENCER, A.	7812140357	50-250 P
SCHERER, A. E.	7811300213*	50-361 Q	SCHWENCER, A.	7809270023	50-70 P	SCHWENCER, A.	7812140364	50-348 P
SCHERER, A. E.	7811160077	50-470 A	SCHWENCER, A.	7812010382	50-230 P	SCHWENCER, A.	7812150006	50-305 P
SCHERER, A. E.	7811290143	50-470 A	SCHWENCER, A.	7810250175	50-250 P	SCHWENCER, A.	7812150008	50-266 P
SCHERER, A. E.	7812120074	50-470 K	SCHWENCER, A.	7811130175*	50-230 P	SCHWENCER, A.	7812150018	50-344 P
SCHERER, A. E.	7812270163	50-470 K	SCHWENCER, A.	7811210191	50-230 P	SCHWENCER, A.	7812150026	50-3 P
SCHINK, D. R.	7812290281	50-341 T	SCHWENCER, A.	7810110041	50-281 P	SCHWENCER, A.	7812150059	50-280 P
SCHMIDT, A. D.	7810100091	50-335 S	SCHWENCER, A.	7810110044*	50-281 P	SCHWENCER, A.	7812150061	50-282 P
SCHMIDT, A. D.	7810100094*	50-335 S	SCHWENCER, A.	7810120098	50-295 P	SCHWENCER, A.	7812150064	50-261 P
SCHMIDT, A. D.	7810100097*	50-335 S	SCHWENCER, A.	7810250016	50-266 P	SCHWENCER, A.	7812150066*	50-334 P
SCHMIDT, A. D.	7810120050	50-231 S	SCHWENCER, A.	7810130110	50-305 F	SCHWENCER, A.	7812180113	50-310 P
SCHMIDT, A. D.	7810120049	50-335 S	SCHWENCER, A.	7810310233	50-261 P	SCHWENCER, A.	7812180116	50-295 F
SCHMIDT, A. D.	7810120054	50-335 S	SCHWENCER, A.	7810310237*	50-261 P	SCHWENCER, A.	7812180236	50-295 F
SCHMIDT, A. D.	7810170243	50-335 S	SCHWENCER, A.	7810310244*	50-261 P	SCHWENCER, A.	7812180239*	50-295 F
SCHMIDT, A. D.	7810260093	50-251 S	SCHWENCER, A.	7810200194	50-261 P	SCHWENCER, A.	7812180240*	50-295 F
SCHMIDT, A. D.	7810280114	50-281 S	SCHWENCER, A.	7810200199*	50-261 P	SCHWENCER, A.	7812180242*	50-295 F
SCHMIDT, A. D.	7810290166	50-235 S	SCHWENCER, A.	7810200201*	50-261 P	SCHWENCER, A.	7812180244*	50-295 F
SCHMIDT, A. D.	7810230250	50-251 S	SCHWENCER, A.	7810190101	50-266 P	SCHWENCER, A.	7812080188	50-305 F
SCHMITT, R. P.	7810310170*	50-344 S	SCHWENCER, A.	7810250215	50-280 P	SCHWENCER, A.	7812110010	50-250 P
SCHMIDT, A. D.	7811060142	50-250 S	SCHWENCER, A.	7810300323	50-250 P	SCHWENCER, A.	7812120227	50-334 P
SCHMIDT, A. D.	7811060144	50-250 S	SCHWENCER, A.	7811140030	50-250 P	SCHWENCER, A.	7812120059	50-280 P
SCHMIDT, A. D.	7811060157	50-251 S	SCHWENCER, A.	7811140033*	50-250 P	SCHWENCER, A.	7812130101	50-266 P
SCHMIDT, T. H.	7812010079	50-305 Q	SCHWENCER, A.	7811140039*	50-250 P	SCHWENCER, A.	7812130263	50-344 P
SCHMIDT, A. D.	7811080148	50-251 S	SCHWENCER, A.	7810310299	50-247 P	SCHWENCER, A.	7812210320	50-266 P
SCHMIDT, A. D.	7811080208	50-335 S	SCHWENCER, A.	7810310304*	50-247 P	SCHWENCER, A.	7812130215	50-282 P
SCHMIDT, A. D.	7811220201	50-250 S	SCHWENCER, A.	7811150175*	50-247 P	SCHWENCER, A.	7812270486	50-286 P
SCHMIDT, A. D.	7811300184	50-335 S	SCHWEIBINZ, E. R.	78121270181*	50-482 Q	SCHWENCER, A.	7812280011	50-305 P
SCHMIDT, A. D.	7812040221	50-251 S	SCHWENCER, A.	7810270380	50-280 P	SCHWENCER, A.	7812280013*	50-305 P
SCHMIDT, A. D.	7812040187	50-250 S	SCHWENCER, A.	7811030203	50-250 P	SCHWENCER, A.	7812280018*	50-305 P
SCHMIDT, A. D.	7812050131	50-335 S	SCHWENCER, A.	7811090015	50-250 P	SCHWENCER, A.	7812280284	50-280 P
SCHMIDT, A. D.	7812050176	50-251 S	SCHWENCER, A.	7811090018*	50-250 P	SCIBINTO, H. J.	7812260286	50-450 P
SCHMIDT, A. D.	7812050195	50-335 S	SCHWENCER, A.	7811090021*	50-250 P	SCINTO, J. F.	7810240209	50-516 P
SCHMIDT, H. C.	7812190070	50-445 B	SCHWENCER, A.	7811130075	50-250 P	SCINTO, J. F.	7811290007	50-488 P
SCHMIDT, A. D.	7812270307	50-251 S	SCHWEIBINZ, E. R.	7812190155*	50-483 Q	SCINTO, J. F.	7812270114	50-320 P
SCHNEIDER, F. W.	7811200352*	50-437 A	SCHWENCER, A.	7811060060	50-280 P	SCOTT, J. B.	7810110241*	50-466 P
SCHNEIDER, F. W.	7811130233	50-311 A	SCHWENCER, A.	7812140180	50-280 E	SCOTT, J.	7810160134*	50-466 P
SCHNEIDER, R. R.	7810260022*	50-220 Q	SCHWEIBINZ, E. R.	7812060112*	50-483 Q	SCOTT, D. M.	7810240145	50-271 P
SCHNEIDER, R. R.	7810100054	50-220 S	SCHWENCER, A.	7811170256*	50-282 P	SCOTT, J.	7811160196	50-466 P
SCHNEIDER, M. F.	7811130139*	50-272 Q	SCHWENCER, A.	7811170259*	50-282 P	SCOTT, J.	7811210038	50-466 P
SCHNEIDER, H. L.	7810180049*	50-295 R	SCHWENCER, A.	7811170265*	50-282 P	SCOTT, J.	7812040302*	50-466 P
SCHNEIDER, R. R.	7810160119	50-220 R	SCHWENCER, A.	7811170268*	50-282 P	SCOTT, J.	7812040301	50-466 P

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BCDTT, J.	7812180306	30-466 Q	SHAFFER, W. D.	7811140267*	30-373 Q	SHIVELY, C. N.	7810170149*	30-313
BECKMAN, P. E.	7810110143	30-331 J	SHAFFER, W. D.	7811210220*	30-331 Q	SHIVELY, C. N.	7810200070*	30-313
BEED, H. B.	7812060086	30-206 D	SHAFFER, W. D.	7812120226*	30-331 Q	SHIVELY, C. N.	7811060149*	30-368
BEQUEST, Q. L.	7811200092*	30-346 R	SHAH, M. R.	7810200075*	30-250 P	SHIVELY, C. N.	7811060151*	30-368
BEELINGER, J. L.	7811090247	30-320 S	SHAKELTON, D. C.	7811070179*	30-397 Q	SHIVELY, C. N.	7811060156*	30-368
BEELINGER, J. L.	7812110146	30-289 S	SHALLER, D. V.	7810180016	30-316 S	SHIVELY, C. N.	7811060160*	30-368
BEGER, R. M.	7812180142	30-213 J	SHALLER, D. V.	7810180106	30-316 S	SHIVELY, C. N.	7811060180*	30-313
BEIDLE, W. C.	7810250007	30-445 Q	SHALLER, D. V.	7810180044	30-316 S	SHIVELY, C. N.	7811060183*	30-313
BEIDLE, W. C.	7810240233	30-498 Q	SHALLER, D. V.	7810100024	30-315 S	SHIVELY, C. N.	7811060189*	30-313
BEIDLE, W. C.	7811020048	30-445 Q	SHALLER, D. V.	7810110080	30-315 P	SHIVELY, C. N.	7811060198*	30-313
BEIDLE, W. C.	7811020365	30-458 Q	SHALLER, D. V.	7810110154	30-315 S	SHIVELY, C. N.	7811200149*	30-368
BEIDLE, W. C.	7811030035	30-466 Q	SHALLER, D. V.	7810110188	30-316 S	SHIVELY, C. N.	7811200180*	30-313
BEIDLE, W. C.	7810110267	30-458 Q	SHALLER, D. V.	7810180002	30-316 S	SHIVELY, C. N.	7811280211*	30-368
BEIDLE, W. C.	7811060098	30-382 Q	SHALLER, D. V.	7810200053	30-316 R	SHIVELY, C. N.	7811270142*	30-368
BEIDLE, W. C.	7811020442	30-445 Q	SHALLER, D. V.	7810180027	30-316 S	SHIVELY, C. N.	7811270144*	30-368
BEIDLE, W. C.	7810110235	30-445 Q	SHALLER, D. V.	7810250177	30-316 S	SHIVELY, C. N.	7811270146*	30-368
BEIDLE, W. C.	7811070305	30-445 Q	SHALLER, D. V.	7810230198	30-315 S	SHIVELY, C. N.	7811270149*	30-368
BEIDLE, W. C.	7810250027	30-482 Q	SHALLER, D. V.	7810270191	30-315 S	SHIVELY, C. N.	7812120142*	30-313
BEIDLE, W. C.	7811200216	30-498 Q	SHALLER, D. V.	7810270309	30-316 Q	SHIVELY, C. N.	7812190158*	30-368
BEIDLE, W. C.	7810240216	30-445 Q	SHALLER, D. V.	7810310145	30-315 S	SHIVELY, C. N.	7812290164*	30-368
BEIDLE, W. C.	7811270201	30-382 Q	SHALLER, D. V.	7810310190	30-316 S	SHIVELY, C. N.	7812200229*	30-368
BEIDLE, W. C.	7812770039	30-445 Q	SHALLER, D. V.	7811020252	30-315 S	SHIVELY, C. N.	7812270249*	30-313
BEIDLE, W. C.	7811280050	30-556 Q	SHALLER, D. V.	7811090151	30-316 S	SHIVELY, C. N.	7812270304*	30-368
BEIDLE, W. C.	7811170168	30-556 Q	SHALLER, D. V.	7811140154	30-315 S	SHIVELY, C. N.	7812270310*	30-368
BEIDLE, W. C.	7811270177	30-482 Q	SHALLER, D. V.	7811270069	30-315 S	SHOAN, R. P.	7811140131*	30-266
BEIDLE, W. C.	7812060299	30-556 Q	SHALLER, D. V.	7811290136	30-316 F	SHON, F. J.	7810270345*	30-344
BEIDLE, W. C.	7812060338	30-445 Q	SHALLER, D. V.	7811140210	30-316 S	SHON, F. J.	7811060221*	30-344
BEIDLE, W. C.	7811030244	30-445 Q	SHALLER, D. V.	7811170204	30-315 F	SHON, F. J.	7810230109	30-344
BEIDLE, W. C.	7811070254	30-445 Q	SHALLER, D. V.	7811210383	30-315 R	SHON, F. J.	7811170003	30-556
BEIDLE, W. C.	7811020384	30-498 Q	SHALLER, D. V.	7811210437	30-316 R	SHON, F. J.	7811200415	30-556
BEIDLE, W. C.	7812060335	30-445 Q	SHALLER, D. V.	7811210271	30-315 S	SHON, F. J.	7812130056	30-556
BEIDLE, W. C.	7811170087	30-466 Q	SHALLER, D. V.	7811300177	30-316 S	SHON, F. J.	7812130060	30-556
BEIDLE, W. C.	7811170085	30-382 Q	SHALLER, D. V.	7812010210	30-316 S	SHON, F. J.	7812150364	30-556
BEIDLE, W. C.	7811170247	30-482 Q	SHALLER, D. V.	7812070216	30-315 P	SHON, F. J.	7812200325	30-556
BEIDLE, W. C.	7811300017	30-445 Q	SHALLER, D. V.	7812130384	30-315 P	SHON, F. J.	7812200320	30-556
BEIDLE, W. C.	7811300370	30-498 Q	SHALLER, D. V.	7812080061	30-316 S	SHON, F. J.	7812200324	30-556
BEIDLE, W. C.	7812040122	30-498 Q	SHALLER, D. V.	7812080075	30-315 S	SHON, F. J.	7812200321	30-556
BEIDLE, W. C.	7811300105	30-445 Q	SHALLER, D. V.	7812080086	30-316 S	SHON, F. J.	7812290281	30-341
BEIDLE, W. C.	7812110220	30-382 Q	SHALLER, D. V.	7812110137	30-315 R	SHORR, E. M.	7812050184	30-367
BEIDLE, W. C.	7812210027	30-498 Q	SHALLER, D. V.	7812080119	30-316 S	SHORR, E. M.	7812200142	30-367
BEIDLE, W. C.	7812190089	30-445 Q	SHALLER, D. V.	7812120162	30-315 S	SHORT, T. E.	7810110223*	30-285
BEKULER, S. N.	7812140022	30-295 Q	SHALLER, D. V.	7812120178	30-316 S	SHORT, T. E.	7810110189	30-285
BEKULER, S. N.	7812050047	30-295 Q	SHALLER, D. V.	7812180207	30-316 S	SHORT, T. E.	7810130151	30-285
BEKULER, S. N.	7812050051*	30-295 Q	SHALLER, D. V.	7812200173	30-315 R	SHORT, T. E.	7810130125	30-285
BEKULER, S. N.	7812120211	30-295 Q	SHALLER, D. V.	7812200203	30-316 R	SHORT, T. E.	7811290390	30-285
BERABIAN, J. A.	7811090038*	30-317 Q	SHALLER, D. V.	7812280145	30-316 P	SHORT, T. E.	7810250079	30-285
BERABIAN, J. A.	7811300380*	30-20 Q	SHALLER, D. V.	7812270220	30-315 S	SHORT, T. E.	7810250101	30-285
BERABIAN, J. A.	7812270057*	30-289 Q	SHALLER, D. V.	7812270252	30-316 S	SHORT, T. E.	7810250063*	30-285
BEYFRIT, K. V.	7811160182*	30-482 S	SHALLER, D. V.	7812290083	30-316 S	SHORT, T. E.	7811060079	30-285
BEYFRIT, K. V.	7812110268*	30-482 A	SHANNON, R. E.	7810170189*	30-295 S	SHORT, T. E.	7810700099	30-285
BEYFRIT, K. V.	7810140133*	30-298 Q	SHAD, L. C.	7811200236*	30-437 A	SHORT, T. E.	7811130184	30-285
BEYFRIT, K. V.	7810140131	30-313 Q	SHAPAR, H. K.	7811200089*	30-437 A	SHORT, T. E.	7812060048*	30-285
BEYFRIT, K. V.	7810110011	30-298 Q	SHAPAR, H. K.	7810160009	30-471 A	SHORT, T. E.	7811090180	30-285
BEYFRIT, K. V.	7810160215	30-285 Q	SHAPAR, H. K.	7810230231	30-522 Q	SHORT, T. E.	7811140107	30-285
BEYFRIT, K. V.	7810200218	30-482 Q	SHAPAR, H. K.	7810190139	30-522 Q	SHORT, T. E.	7811140177	30-285
BEYFRIT, K. V.	7810200220	30-458 Q	SHAPAR, H. K.	7811080044	30-556 A	SHORT, T. E.	7811290115	30-387
BEYFRIT, K. V.	7810200225	30-445 Q	SHAPAR, H. K.	7811101020	30-549 H	SHORT, T. E.	7811150132	30-285
BEYFRIT, K. V.	7810200226	30-498 Q	SHAPAR, H. K.	7812120038	30-580 H	SHORT, T. E.	7811170193	30-285
BEYFRIT, K. V.	7810250026	30-445 S	SHAPAR, H. K.	7812280072	30-443 H	SHORT, T. E.	7812050193	30-285
BEYFRIT, K. V.	7810230276	30-298 Q	SHAPIRO, W. A.	7812210317	30-97 Q	SHORT, T. E.	7811280257	30-285
BEYFRIT, K. V.	7810230278	30-285 Q	SHAUB, E. T.	7811010099*	30-277 Q	SHORT, T. E.	7811280280	30-285
BEYFRIT, K. V.	7810230360	30-267 Q	SHEA, J. J.	7811060172	30-244 P	SHORT, T. E.	7812060282*	30-285
BEYFRIT, K. V.	7810230363	30-313 Q	SHEA, J. J.	7812260010	30-244 P	SHORT, T. E.	7812040161	30-285
BEYFRIT, K. V.	7811130001	30-267 P	SHEA, J. J.	7812270462	30-245 P	SHORT, T. E.	7812130111	30-285
BEYFRIT, K. V.	7811170145	30-482 Q	SHELODOKY, J. T.	7811130036*	30-322 Q	SHORT, T. E.	7812130178	30-285
BEYFRIT, K. V.	7811170148	30-498 Q	SHELODOKY, J. T.	7812110316*	30-245 Q	SHORT, T. E.	7812260203*	30-285
BEYFRIT, K. V.	7811170151	30-458 Q	SHELDON, K. P.	7812150283*	30-443 Q	SHORT, T. E.	7812290176	30-285
BEYFRIT, K. V.	7811170246	30-445 Q	SHELDON, K. P.	7812150273*	30-443 Q	SHREFFLER, J. R.	7810230349	30-466
BEYFRIT, K. V.	7811170250	30-382 Q	SHEPHERD, J. H.	7812260137	30-443 H	SHREFFLER, J. R.	7811200132	30-466
BEYFRIT, K. V.	7811220117	30-313 Q	SHERDN, B. W.	7810140026*	30-556 Q	SHERVE, J.	7812270168	30-290
BEYFRIT, K. V.	7811220119	30-285 Q	SHERWOOD, O. G.	7810180108	30-447 A	SHERPSHIRE, R.	7812050354*	30-549
BEYFRIT, K. V.	7811220121	30-267 Q	SHERWOOD, O. G.	7812010248	30-447 A	SHERPSHIRE, R.	7812050356*	30-549
BEYFRIT, K. V.	7811220124	30-298 Q	SHERWOOD, O. G.	7812030220	30-447 B	SIDLE, W. C.	7812210178	30-445
BEYFRIT, K. V.	7812060261	30-298 Q	SHERWOOD, O. G.	7812050221*	30-447 A	SILBERG, J. E.	7810300267	30-580
BEYFRIT, K. V.	7812060264	30-285 Q	SHERWOOD, O. G.	7812110113	30-447 A	SILBERG, J. E.	7810310078	30-484
BEYFRIT, K. V.	7812060269	30-313 Q	SHERWOOD, O. G.	7812270162	30-447 A	SILBERG, J. E.	7810300359	30-482
BEYFRIT, K. V.	7812130307	30-382 Q	SHERWOOD, O. G.	7812280099	30-447 B	SILBERG, J. E.	7810310078	30-484
BEYFRIT, K. V.	7812130308	30-445 Q	SHERWOOD, O. G.	7812280100*	30-447 B	SILBERG, J. E.	7810280233	30-580
BEYFRIT, K. V.	7812130312	30-458 Q	SHIDLER, J. J.	7812110279*	30-482 A	SILVER, H.	7810310306	30-320
BEYFRIT, K. V.	7812130313	30-482 Q	SHIMSHAK, R. E.	7812110167*	30-409 B	SILVER, H.	7810300236	30-327
BEYFRIT, K. V.	7812130315	30-498 Q	SHIMSHAK, R. E.	7812040219*	30-409 B	SILVER, H.	7811010055*	30-414
BEYFRIT, K. V.	7812130333	30-482 H	SHIPWAY, Q. D.	7812130390*	30-275 A	SILVER, H.	7811010246	30-289
SHACKLEFORD, B.	7810240113*	30-133 P	SHIPWAY, Q. D.	7812210200*	30-275 A	SILVER, H.	7811140261*	30-410
SHACKLEFORD, B.	7811140145*	30-275 K	SHIBB, T. A. J.	7812080113	30-272 R	SILVER, H.	7811010154	30-313
SHAFER, W. D.	7812060340*	30-231 Q	SHIVELY, C. N.	7810170146*	30-313 S	SILVER, H.	7811290147	30-327

SILVER, R. D.	7812130353*	50-219	P	SMITH, G. H.	7812270078	50-246	Q	SPENCER, Q. S.	7811270044
SILVER, M.	7812130109	50-320	P	SMITH, J. W.	7812270070*	50-346	Q	SPENCER, Q. S.	7810310284
SILVER, M.	7812180374	50-327	F			50-400	Q		
SIMMONS, D. E.	7812050200	50-466	B	SMITH, J. D.	7811220139	50-368	D	SPENCER, Q. S.	7811270121
SINCLAIR, M. P.	7811210493	50-329	Q	SMITH, I. W.	7811300267	50-484	Q	SPENCER, Q. S.	7811270036
SINKIN, L.	7812110037*	50-498	Q	SMITH, J. D.	7812270074	50-266	Q	SPENCER, Q. S.	7812110237
SINKIN, L.	7812110034	50-498	Q	SMITH, Q. H.	7812270047	50-289	Q	SPENCER, Q. S.	7812110239*
SINKULE, M. V.	7810230072*	50-333	Q	SMITH, J. D.	7812270014*	50-303	Q	SPENCER, Q. S.	7812210143
SINKULE, M. V.	7810310319*	50-369	Q	SMITH, I. W.	7812010257	50-329	Q	SPENCER, Q. S.	7812210370
SINKULE, M. V.	7811130381*	50-369	Q	SMITH, B. H.	7812180376	50-471	Q	SPENCER, Q. S.	7812280241
SINKULE, M. V.	7811130364*	50-369	Q	SMITH, B. H.	7812130070	50-471	Q	SPENCER, Q. S.	7812270387
SINKULE, M. V.	7811220005*	50-333	Q	SMITH, Q. H.	7812060242	50-317	Q	SPENCER, Q. S.	7812280223
SJOOREN, R. M.	7810170178*	50-29	R	SMITH, B. H.	7812140227	50-272	Q	SPENCER, Q. S.	7812210081
SJOOREN, R. M.	7810170151*	50-309	R	SMITH, B. H.	7812270468	50-349	Q	SPENCER, Q. S.	7812210166*
SJOOREN, R. M.	7810170193*	50-271	R	SMITH, A. F.	7812180226	50-395	F	SPENCER, Q. S.	7812210379*
SJOOREN, R. M.	7811140166*	50-309	R	SMITH, I. W.	7812140108	50-400	Q	SPENBARD, R. L.	7810110184*
SJOOREN, R. M.	7811140127*	50-271	R	SMITH, I. W.	7812270035	50-400	Q	SPENBARD, R. L.	7811020168*
SJOOREN, R. M.	7811140122*	50-29	R	SMITH, I. W.	7812270093	50-393	Q	SPENBARD, R. L.	7811090003
SJOOREN, R. M.	7812150357*	50-309	R	SMITH, T. T.	7812210506	50-247	Q	SPENBARD, R. L.	7812060230*
SJOOREN, R. M.	7812150292*	50-271	R	SMITH, T. T.	7812210511*	50-247	Q	SPENBARD, R. L.	7812190160*
SJOOREN, R. M.	7812150288*	50-29	R	SMITH, J. K.	7812270268*	50-316	B	STAENBERG, M. R.	7811010318
SKLAR, D. R.	7812290245*	50-498	A	SNOW, B.	7810170213	50-244	R	STAENBERG, M. R.	7811130199
SKOLDS, J. L.	7810110290*	50-338	Q	SOBON, L. J.	7811210367	50-220	F	STAENBERG, M. R.	7812180416
SKOLDS, J. L.	7810250140*	50-280	Q	SOBON, L. J.	7812140176	50-219	F	STAFFA, R. W.	7810130043
SKOLDS, J. L.	7811080166*	50-393	Q	SOLOLOFSKY, J. H.	7810140023	50-344	F	STAFFA, R. W.	7810130092
SKOLDS, J. L.	7811130286*	50-321	Q	SOLOLOFSKY, J. H.	7812110217	50-344	Q	STAFFA, R. W.	7811010062
SKOLDS, J. L.	7812040181*	50-393	Q	SOHINKI, I. S. M.	7810110241*	50-466	Q	STAFFA, R. W.	7811150093
SKOLDS, J. L.	7812060262*	50-280	Q	SOHINKI, I. S. M.	7810110230	50-466	Q	STAFFA, R. W.	7811020163
SKOVHOLT, D. J.	7810140101	50-309	H	SOHINKI, I. S. M.	7810110037	50-466	Q	STAFFA, R. W.	7811100168*
SKRUTSKI, R. M.	7812150244	50-434	Q	SOHINKI, I. S. M.	7810110234	50-466	Q	STAFFA, R. W.	7811030044
SKRUTSKI, R. M.	781220249	50-450	Q	SOHINKI, I. S. M.	7810110238*	50-466	Q	STAFFA, R. W.	7811130261*
SKRUTSKI, R. M.	7811290002	50-485	Q	SOHINKI, I. S. M.	7810140056*	50-466	Q	STAFFA, R. W.	7811220034
SKRUTSKI, R. M.	7812040317	50-556	Q	SOHINKI, I. S. M.	7810140064*	50-466	Q	STAFFA, R. W.	7811240061
SLAGER, H. W.	7810160197*	50-329	Q	SOHINKI, I. S. M.	7810130242	50-452	Q	STAFFA, R. W.	7811280006
SHARRELLA, E. A.	7810120067*	50-316	P	SOHINKI, I. S. M.	7810140094	50-437	Q	STAFFA, R. W.	7812070082
SMITH, R.	7810190116*	50-57	Q	SOHINKI, I. S. M.	7810140098	50-485	Q	STAFFA, R. W.	7812060343
SMITH, R. H.	7811010135*	50-443	Q	SOHINKI, I. S. M.	7810190271	50-392	A	STAFFA, R. W.	7812280067*
SMITH, J. D.	7811010029*	50-10	Q	SOHINKI, I. S. M.	7810200141	50-392	A	STAFFA, R. W.	7812280286
SMITH, T. H.	7812010303*	50-317	Q	SOHINKI, I. S. M.	7810200143	50-392	A	STAHL, D. M.	7811020467
SMITH, Q. H.	7811100092	50-213	Q	SOHINKI, I. S. M.	7810200144	50-392	A	STAHL, D. M.	7812150029
SMITH, B. H.	7810200035	50-471	T	SOHINKI, I. S. M.	7810230012	50-392	A	STAHL, R. F.	7811210413
SMITH, Q. H.	7812010081*	50-286	Q	SOHINKI, I. S. M.	7810240030	50-466	Q	STAIR, J. R.	7810240129*
SMITH, Q. R.	7810110183*	50-263	B	SOHINKI, I. S. M.	7810300252	50-466	Q	STAIR, J. R.	7810240134*
SMITH, I. W.	7810230015	50-484	Q	SOHINKI, I. S. M.	7811070172	50-466	Q	STAIR, J. R.	7811090174*
SMITH, I. W.	7810270227	50-400	Q	SOHINKI, I. S. M.	7811100134	50-466	H	STAIR, J. R.	7811090278*
SMITH, I. W.	7810240157	50-329	Q	SOHINKI, I. S. M.	7811140094	50-466	Q	STAIR, J. R.	7812280278*
SMITH, I. W.	7810230189	50-329	Q	SOHINKI, I. S. M.	7811130038	50-466	Q	STAIR, J. R.	7812260261*
SMITH, Q. H.	7810250134	50-286	Q	SOHINKI, I. S. M.	7811100131	50-485	Q	STALEY, Q. B.	7811080199
SMITH, Q. H.	7811020170	50-271	Q	SOHINKI, I. S. M.	7811100170	50-392	Q	STALLINGS, C. M.	7811010415*
SMITH, T. H.	7811290339*	50-336	Q	SOHINKI, I. S. M.	7811100171	50-432	Q	STALLINGS, C. M.	7810280232
SMITH, B. H.	7810270384	50-471	A	SOHINKI, I. S. M.	7811100668	50-466	F	STALLINGS, C. M.	7811060038*
SMITH, J. D.	7810310273	50-568	D	SOHINKI, I. S. M.	7811150084	50-437	F	STALLINGS, C. M.	7810100057
SMITH, Q. H.	7811300366	50-20	Q	SOHINKI, I. S. M.	7811150090	50-477	F	STALLINGS, C. M.	7810100074
SMITH, Q. H.	7812010147	50-244	Q	SOHINKI, I. S. M.	7811160024	50-437	Q	STALLINGS, C. M.	7810110149
SMITH, Q. H.	7811080253	50-219	Q	SOHINKI, I. S. M.	7811280070	50-485	Q	STALLINGS, C. M.	7810110127
SMITH, Q. H.	7812010034	50-333	Q	SOHINKI, I. S. M.	7811280143	50-466	Q	STALLINGS, C. M.	7810120034
SMITH, Q. H.	7812010037	50-220	Q	SOHINKI, I. S. M.	7812110286	50-466	Q	STALLINGS, C. M.	7810130140
SMITH, R. H.	7812010274*	50-245	Q	SOHINKI, I. S. M.	7812130051	50-466	Q	STALLINGS, C. M.	7810130141
SMITH, I. W.	7811010006	50-329	Q	SOHINKI, I. S. M.	7812130335	50-466	Q	STALLINGS, C. M.	7810160139
SMITH, B. H.	7811080337	50-272	Q	SOHINKI, I. S. M.	7812130365	50-466	Q	STALLINGS, C. M.	7810160198
SMITH, B. H.	7811090188	50-3	Q	SOHINKI, I. S. M.	7812140349	50-466	Q	STALLINGS, C. M.	7810230257
SMITH, Q. H.	7811300341	50-213	Q	SOHINKI, I. S. M.	7812180434	50-437	A	STALLINGS, C. M.	7810230283
SMITH, B. H.	7811070209	50-471	Q	SOHINKI, I. S. M.	7812270142	50-485	Q	STALLINGS, C. M.	7810170163
SMITH, I. W.	7811070335	50-389	H	SOHINKI, I. S. M.	7812280351	50-466	Q	STALLINGS, C. M.	7810230184
SMITH, Q. H.	7811090025	50-317	Q	SOHINKI, I. S. M.	7812280354*	50-466	Q	STALLINGS, C. M.	7810230171
SMITH, Q. H.	7811130041	50-220	P	SOHINKI, I. S. M.	7812280356*	50-466	Q	STALLINGS, C. M.	7810230254
SMITH, I. W.	7811070349	50-592	H	SOLOLOFSKY, J. H.	7812010361	50-344	Q	STALL, D. H.	7810250121
SMITH, I. W.	7811080342	50-592	H	SOUDER, J. L.	7811290254	50-392	C	STALLINGS, C. M.	7810200073
SMITH, T. H.	7812060367*	50-333	Q	SOUDER, J. L.	7812060383	50-592	A	STALLINGS, C. M.	7810200109
SMITH, I. W.	7811070347	50-395	Q	SOUDER, J. L.	7812190108	50-434	A	STALLINGS, C. M.	7810200110
SMITH, I. W.	7811130189	50-329	Q	SPANGLER, R. Q.	7812210169*	50-368	Q	STALLINGS, C. M.	7811200133*
SMITH, B. H.	7811150060	50-349	Q	SPANGLER, R. Q.	7812190061*	50-313	Q	STALLINGS, C. M.	7810270153
SMITH, Q. H.	7811180038	50-220	Q	SPARKS, E.	7811260371	50-446	A	STALLINGS, C. M.	7810240121
SMITH, Q. H.	7812110232	50-334	Q	SPARKS, E.	7811200376	50-389	A	STALLINGS, C. M.	7810270174
SMITH, Q. H.	7811140252	50-3	Q	SPENCER, Q. S.	7811070164*	50-397	Q	STALLINGS, C. M.	7810300022
SMITH, Q. H.	7811300241	50-334	Q	SPENCER, Q. S.	7811070133	50-397	Q	STALLINGS, C. M.	7811130238*
SMITH, Q. H.	7812180037	50-3	Q	SPENCER, Q. S.	7810310308*	50-528	Q	STALLINGS, C. M.	7810310089
SMITH, I. W.	7811200264	50-395	Q	SPENCER, Q. S.	7810310318*	50-528	Q	STALLINGS, C. M.	7810310238
SMITH, I. W.	7811200294*	50-395	Q	SPENCER, Q. S.	7810310301*	50-528	Q	STALLINGS, C. M.	7811030140
SMITH, I. W.	7811210130	50-395	Q	SPENCER, Q. S.	7810110255	50-344	Q	STALLINGS, C. M.	7811060211
SMITH, Q. H.	7812010033	50-286	Q	SPENCER, Q. S.	7810110208	50-361	Q	STALLINGS, C. M.	7811060233
SMITH, Q. H.	7812280199	50-220	Q	SPENCER, Q. S.	7810190091	50-397	Q	STALLINGS, C. M.	7811060078
SMITH, T. T.	7812260307	50-247	Q	SPENCER, Q. S.	7811010032	50-361	Q	STALLINGS, C. M.	7811070228

AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY
STALLINGS, C. M.	7811070130	50-280 P	STELLO, V. S.	7810140016*	50-353 Q	STERNBERG, D. H.	7811220267*	50-275 Q
STALLINGS, C. M.	7811070190	50-338 S	STELLO, V.	7811020332*	50-344 Q	STERNBERG, D. H.	7811220267*	50-275 Q
STALLINGS, C. M.	7811070258	50-338 S	STELLO, V.	7810110043*	50-281 Q	STERNBERG, D. H.	7811270118*	50-344 Q
STALLINGS, C. M.	7811240050*	50-338 S	STELLO, V.	7811070063*	50-269 P	STERNBERG, D. H.	7812130350*	50-187 Q
STALLINGS, C. M.	7811090177	50-280 S	STELLO, V.	7811150133	50-269 A	STERNBERG, D. H.	7812070045*	50-108 Q
STALLINGS, C. M.	7811090236	50-281 S	STELLO, V.	7811150052	50-313 P	STERNBERG, D. H.	7812150004*	50-275 Q
STALLINGS, C. M.	7811140101	50-281 S	STELLO, V.	7811290392	50-371 E	STERNBERG, D. H.	7812280258*	50-344 Q
STALLINGS, C. M.	7811140128	50-280 P	STELLO, V.	7811200356*	50-313 P	STERNBERG, D. H.	7812270382*	50-397 Q
STALLINGS, C. M.	7811170107	50-338 R	STELLO, V.	7812110063	50-280 P	STETKA, T.	7812040219*	50-20 Q
STALLINGS, C. M.	7811170182	50-338 S	STELLO, V.	7812180386	50-160 E	STEVENSON, D.	7810240077*	50-269 R
STALLINGS, C. M.	7811170183	50-280 S	STELLO, V.	7812280261*	50-269 P	STEVENS, J. R.	7812080104	50-368 A
STALLINGS, C. M.	7811200194	50-280 R	STELLO, V.	7812280285	50-220 Q	STEWART, W. P.	7810200152	50-302 S
STALLINGS, C. M.	7811210259	50-281 S	STELLO, V.	7812220032	50-280 P	STEWART, R. C.	7811060105*	50-382 Q
STALLINGS, C. M.	7811210290	50-338 S	STENSVAAG, J. M.	7812260044	50-263 Q	STEWART, W. P.	7810110151	50-302 S
STALLINGS, C. M.	7811210313	50-338 S	STENSVAAG, J.	7812260323	50-263 P	STEWART, W. P.	7810110116	50-302 S
STALLINGS, C. M.	7811280286	50-281 S	STEPHENSON, B. B.	7810170185	50-237 P	STEWART, W. P.	7810110170	50-302 S
STALLINGS, C. M.	7811280322	50-338 S	STEPHENSON, B. B.	7810130165	50-237 S	STEWART, W. P.	7810120097	50-302 P
STALLINGS, C. M.	7811280236	50-280 S	STEPHENSON, B. B.	7811210356	50-237 S	STEWART, W. P.	7810110299	50-302 Q
STALLINGS, C. M.	7811280247	50-280 P	STEPHENSON, B. B.	7810170204	50-10 S	STEWART, W. P.	7810130130	50-302 P
STALLINGS, C. M.	7811280308	50-338 P	STEPHENSON, B. B.	7810190148	50-10 P	STEWART, W. P.	7810160081	50-302 R
STALLINGS, C. M.	7811280316	50-338 S	STEPHENSON, B. B.	7810170195	50-249 S	STEWART, W. P.	7810170249	50-302 S
STALLINGS, C. M.	7811300222	50-280 P	STEPHENSON, B. B.	7810180101	50-10 R	STEWART, R. C.	7811270209*	50-382 Q
STALLINGS, C. M.	7812060134	50-338 S	STEPHENSON, B. B.	7810240100	50-249 S	STEWART, W. P.	7810180105	50-302 S
STALLINGS, C. M.	7812180302*	50-338 Q	STEPHENSON, B. B.	7810240116	50-249 S	STEWART, W. P.	7810180147	50-302 S
STALLINGS, C. M.	7812130381	50-280 Q	STEPHENSON, B. B.	7810240148	50-10 S	STEWART, W. P.	7810180153	50-302 S
STALLINGS, C. M.	7812180358*	50-280 Q	STEPHENSON, B. B.	7810200092	50-237 S	STEWART, W. P.	7810180110	50-302 S
STALLINGS, C. M.	7812010264	50-338 R	STEPHENSON, B. B.	7810240136	50-249 S	STEWART, D. L.	7810230187*	50-280 R
STALLINGS, C. M.	7812040209	50-338 S	STEPHENSON, B. B.	7810270229	50-249 S	STEWART, W. P.	7810240118	50-302 S
STALLINGS, C. M.	7812040230	50-280 S	STEPHENSON, B. B.	7810270234	50-237 S	STEWART, W. P.	7810240160	50-302 S
STALLINGS, C. M.	7812200169	50-280 P	STEPHENSON, B. B.	7810270302	50-249 S	STEWART, W. P.	7810270165	50-302 P
STALLINGS, C. M.	7812050208	50-280 S	STEPHENSON, B. B.	7811240210	50-237 S	STEWART, W. P.	7810310136	50-302 S
STALLINGS, C. M.	7812050223	50-338 S	STEPHENSON, B. B.	7810270287	50-237 S	STEWART, W. P.	7810310164	50-302 S
STALLINGS, C. M.	7812070189	50-338 S	STEPHENSON, B. B.	7810900125	50-249 S	STEWART, W. P.	7811000021*	50-302 Q
STALLINGS, C. M.	7812070193	50-338 S	STEPHENSON, B. B.	7811030143	50-237 S	STEWART, W. P.	7811240074*	50-302 Q
STALLINGS, C. M.	7812120083	50-339 A	STEPHENSON, B. B.	7811030184	50-249 S	STEWART, W. P.	7811090165	50-302 P
STALLINGS, C. M.	7812180433	50-280 P	STEPHENSON, B. B.	7811090116	50-237 S	STEWART, D. L.	7811170192*	50-280 R
STALLINGS, C. M.	7812110149	50-338 P	STEPHENSON, B. B.	7811090129	50-237 S	STEWART, W. P.	7811070136	50-302 S
STALLINGS, C. M.	7812110204	50-338 S	STEPHENSON, B. B.	7811090138	50-237 S	STEWART, W. P.	7811070204	50-302 S
STALLINGS, C. M.	7812110191	50-338 S	STEPHENSON, B. B.	7811140140	50-237 S	STEWART, W. P.	7811070208*	50-302 S
STALLINGS, C. M.	7812110193	50-338 S	STEPHENSON, B. B.	7811060159	50-249 S	STEWART, W. P.	7811070226	50-302 S
STALLINGS, C. M.	7812150277	50-338 P	STEPHENSON, B. B.	7811090133	50-10 S	STEWART, W. P.	7811160136	50-302 S
STALLINGS, C. M.	7812140125	50-280 S	STEPHENSON, B. B.	7811210101	50-237 S	STEWART, W. P.	7811120181	50-302 P
STALLINGS, C. M.	7812140224	50-281 S	STEPHENSON, B. B.	7811140193	50-237 S	STEWART, W. P.	7811140109	50-302 P
STALLINGS, C. M.	7812150282	50-280 P	STEPHENSON, B. B.	7811140222	50-249 S	STEWART, W. P.	7811170103	50-302 P
STALLINGS, C. M.	7812150289	50-338 P	STEPHENSON, B. B.	7811210333	50-249 S	STEWART, W. P.	7811200184	50-302 R
STALLINGS, C. M.	7812200212	50-338 S	STEPHENSON, B. B.	7811140203	50-237 S	STEWART, W. P.	7812050067*	50-302 Q
STALLINGS, C. M.	7812200253	50-338 R	STEPHENSON, B. B.	7811140215	50-237 S	STEWART, W. P.	7811240216	50-302 P
STALLINGS, C. M.	7812200260	50-280 R	STEPHENSON, B. B.	7811160122	50-237 S	STEWART, W. P.	7811280268	50-302 S
STALLINGS, C. M.	7812150304	50-338 P	STEPHENSON, B. B.	7811140119	50-10 R	STEWART, W. P.	7811280303	50-302 S
STALLINGS, C. M.	7812200204	50-280 S	STEPHENSON, B. B.	7811160112	50-237 S	STEWART, W. P.	7812010246	50-302 S
STALLINGS, C. M.	7812190079	50-280 P	STEPHENSON, B. B.	7811210177	50-237 S	STEWART, W. P.	7812040199	50-302 P
STALLINGS, C. M.	7812200234	50-338 S	STEPHENSON, B. B.	7811210388	50-10 S	STEWART, F. P.	7812210337*	50-302 Q
STALLINGS, C. M.	7812190088	50-280 P	STEPHENSON, B. B.	7811280301	50-249 S	STEWART, H. D.	7812270027	50-272 Q
STALLINGS, C. M.	7812190090	50-280 P	STEPHENSON, B. B.	7811280194	50-249 S	STEWART, W. P.	7812140127	50-302 F
STALLINGS, C. M.	7812190148	50-280 P	STEPHENSON, B. B.	7812040191	50-237 S	STEWART, W. P.	7812180150	50-302 S
STALLINGS, C. M.	7812220078	50-339 A	STEPHENSON, B. B.	7812120130	50-249 S	STEWART, W. P.	7812200176	50-302 R
STALLINGS, C. M.	7812260252	50-280 P	STEPHENSON, B. B.	7812210242	50-249 S	STEWART, W. P.	7812200178	50-302 S
STALLINGS, C. M.	7812270235	50-338 S	STEPHENSON, B. B.	7812210244	50-249 S	STEWART, W. P.	7812200270	50-302 S
STALLINGS, C. M.	7812270270	50-281 S	STEPHENSON, B. B.	7812180175	50-249 S	STEWART, W. P.	7812200284	50-302 S
STALLINGS, C. M.	7812270290	50-280 S	STEPHENSON, B. B.	7812130184	50-10 R	STEWART, W. P.	7812220081	50-302 S
STALLINGS, C. M.	7812270320	50-280 S	STEPHENSON, B. B.	7812150270	50-237 S	STEWART, W. P.	7812220102	50-302 S
STALLINGS, C. M.	7812260195	50-338 P	STEPHENSON, B. B.	7812180145	50-249 S	STEWART, W. P.	7812270239	50-302 S
STALLINGS, C. M.	7812280132	50-280 P	STEPHENSON, B. B.	7812180174	50-10 S	STEWART, W. P.	7812270291	50-302 S
STALLINGS, C. M.	7812280136	50-338 P	STEPHENSON, B. B.	7812180223	50-237 S	STEWART, D. L.	7811200198*	50-280 R
STAMPLEY, N.	7811150164	50-416 F	STEPHENSON, B. B.	7812270300	50-237 S	STOBER, G. J.	7812180418	50-338 Q
STAMPLEY, N. L.	7811170198	50-416 A	STEPHENSON, B. B.	7812270284	50-249 S	STODDART, P. Q.	7810130186	50-395 Q
STAMPLEY, N. L.	7812010223	50-416 K	STEPHENSON, B. B.	78122100189	50-237 S	STOHR, J. P.	7811100181*	50-286 Q
STAMPLEY, N. L.	7812270209	50-416 A	STEPHENSON, B. B.	7812270261	50-237 S	STOHR, J. P.	7811060244*	50-3 Q
STANLEY, W. B.	7810310192*	50-289 S	STEPHENSON, B. B.	7812290210	50-237 S	STOHR, J. P.	781020188*	50-271 Q
STARKEY, R. B.	7810100048*	50-261 S	STEPP, J. C.	7812180355	50-70 P	STOHR, J. P.	7811100094*	50-213 Q
STARKEY, R. B.	7810190270	50-261 R	STEPP, J. C.	7812190225	50-70 P	STOHR, J. P.	7812010150*	50-244 Q
STARKEY, R. B.	7810270226*	50-261 S	STEPP, J. C.	7812180314	50-275 A	STOHR, J. P.	7812010036*	50-333 Q
STARKEY, R. B.	7810310127*	50-261 S	STEPP, J. C.	7810120111*	50-549 A	STOHR, J. P.	7812010041*	50-220 Q
STARKEY, R. B.	7810310153*	50-261 S	STEPP, J. C.	7812040324*	50-275 Q	STOHR, J. P.	7812060244*	50-317 Q
STARKEY, R. B.	7810310219*	50-261 S	STEPP, J. C.	7811300279	50-556 A	STOHR, J. P.	7812180038*	50-3 Q
STARKEY, R. B.	7811090191*	50-261 S	STEPP, J. C.	7811290201	50-400 A	STOHR, J. P.	7812290078*	50-201 Q
STARK, F. H.	7812180229	50-70 H	STEPP, J. C.	7812180314	50-553 A	STOLZ, J. F.	781010387	50-524 A
STARKEY, R. B.	7812140165*	50-261 S	STEPP, J. C.	7812190183	50-554 A	STOLZ, J. F.	7810100006	50-366 A
STARKEY, R. B.	7812270263*	50-261 S	STEPP, J. C.	7812190101	50-334 P	STOLZ, J. F.	7810230296*	50-368 P
STARDSTECK, R.	7811200108*	50-437 A	STEPP, J. C.	7810120112	50-237 Q	STOLZ, J. F.	7810230293	50-368 P
STAVELY, J. M.	7811150105*	50-309 Q	STEPPE, P. P.	7810190131	50-237 Q	STOLZ, J. F.	7810230301*	50-368 P
STELLO, V.	7811200105*	50-437 A	STEPPE, P. P.	7811300202	50-295 Q	STOLZ, J. F.	7810230309*	50-368 P
STELLO, V.	7811200192*	50-437 A	STEPPE, P. P.	7811200070	50-237 Q	STOLZ, J. F.	7810130029	50-341 A
STELLO, V.	7812210127	50-70 P	STEPPE, P. P.	7812040211	50-295 Q	STOLZ, J. F.	7810140095	50-358 A
STELLO, V.	7810230134	50-280 P	STEPPE, P. P.	7812280280*	50-237 Q	STOLZ, J. F.	7810250206	50-275 A

STOLZ, J. F.	7812010370	50-313	P	BUTHERLAND, J. T.	7812070301	50-261	Q	THOMAS, E. B.	7810270338
STOLZ, J. F.	7812010377*	50-313	P	BUTHERLAND, J. T.	7812080215	50-13	Q	THOMAS, E. B.	7810270400
STOLZ, J. F.	7812101113	50-275	A	BUTHERLAND, J. T.	7811130006	50-259	Q	THOMAS, R. D.	7811270099
STOLZ, J. F.	7812070063*	50-275	E	BUTHERLAND, J. T.	7812110222	50-280	Q	THOMAS, C. O.	7811020241
STOLZ, J. F.	7812080013	50-368	P	BUTHERLAND, J. T.	7812030242*	50-250	Q	THOMAS, C.	7811130322
STOLZ, J. F.	7812080023*	50-368	P	BUTHERLAND, J. T.	7812080006	50-280	Q	THOMAS, E. B.	7811210299
STOLZ, J. F.	7812080025*	50-368	P	BUTHERLAND, J. T.	7812280342*	50-250	Q	THOMAS, E. B.	7811240101
STOLZ, J. F.	7812080029*	50-368	P	BUTHERLAND, J. T.	7811170232	50-324	Q	THOMAS, E. B.	7812080304
STOLZ, J. F.	7812010010	50-275	A	BUTHERLAND, J. T.	7811200406	50-259	P	THOMAS, E. B.	7812260200
STOLZ, J. F.	7812080155	50-341	A	BUTHERLAND, J. T.	7811200409	50-321	P	THOMPSON, C. H.	7811270116
STOLZ, J. F.	7812080222	50-368	B	BUTHERLAND, J. T.	7811200413	50-335	P	THOMPSON, Q. A.	7811020311
STOLZ, J. F.	7812120016	50-368	P	BUTHERLAND, J. T.	7811200417	50-250	P	THOMPSON, Q.	7812060000
STOLZ, J. F.	7812070265	50-358	I	BUTHERLAND, J. T.	7811200418	50-369	P	THOMPSON, D. O.	7812280322
STOLZ, J. F.	7812120208	50-275	A	BUTHERLAND, J. T.	7811200421	50-269	P	THOMSEN, F. T.	7810190197
STOLZ, J. F.	7812140017*	50-368	P	BUTHERLAND, J. T.	7811200422	50-302	P	THOMSEN, F. T.	7810300101
STOLZ, J. F.	7812140020*	50-368	P	BUTHERLAND, J. T.	7811200425	50-348	P	THOMSEN, F. T.	7811070355
STOLZ, J. F.	78121300391	50-358	A	BUTHERLAND, J. T.	7812210152	50-324	Q	THOMSEN, F. T.	7812130222
STOLZ, J. F.	7812140283*	50-275	Q	BUTHERLAND, J. T.	7811240001	50-335	Q	THOMAS, L. H.	7812010099
STOLZ, J. F.	7812180394	50-275	A	BUTHERLAND, J. T.	7811240001	50-302	Q	THOMAS, L.	7811140266
STODOLY, D. O.	7811070004*	50-471	Q	BUTHERLAND, J. T.	7811240046	50-338	Q	THORNBURO, H. D.	7812050013
STRATHMAN, R. A.	7811210275*	50-336	B	BUTHERLAND, J. T.	7812010116	50-250	Q	THORNBURO, H. D.	7810130180
STREETER, J. F.	7810270376*	50-301	Q	BUTHERLAND, J. T.	7812010125	50-250	Q	THRAILKILL, K.	7811080039
STREETER, J. F.	7811010029*	50-10	Q	BUTHERLAND, J. T.	7812140119*	50-348	Q	THRAIR, C. O.	7810130197
STREETER, J. F.	7811290326*	50-320	Q	BUTHERLAND, J. T.	7812290082	50-280	Q	THRAIR, C. O.	7812110255
STREETER, J. F.	7812010129*	50-255	Q	BUTHERLAND, J. T.	7812010261	50-280	Q	THRAIR, C. O.	7812070058
STREETER, J. F.	7812140147*	50-266	Q	BUTHERLAND, J. T.	7812030021	50-269	Q	THRAIR, C. O.	7812120222
STREETER, J. F.	7812290074	50-266	Q	BUTHERLAND, J. T.	7812010139	50-338	Q	TIDDE, J. H.	7810270140
STREETER, J. F.	7812290014*	50-305	Q	BUTHERLAND, J. T.	7812040036	50-269	Q	TIDDE, J. H.	7811020077
STRIGHT, R. L.	7810300138*	50-447	A	BUTHERLAND, J. T.	7812140118*	50-348	Q	TIERNEY, F. P.	7812050177
STRIGHT, R. L.	7810120126	50-368	A	BUTHERLAND, J. T.	7812210071*	50-250	Q	TIERNEY, F. P.	7811240204
STRIGHT, R. L.	7810110021	50-592	A	BUTHERLAND, J. T.	7812290056	50-339	Q	TILLINGHAST, J.	7810230242
STRIGHT, R. L.	7810230323	50-592	A	BUTHERLAND, J. T.	7812060015	50-259	Q	TILLINGHAST, J.	7810300103
STRIGHT, R. L.	7810270323	50-592	A	BUTHERLAND, J. T.	7812070059	50-261	Q	TILLINGHAST, J.	7810310090
STRIGHT, R. L.	7811020426	50-592	A	BUTHERLAND, J. T.	7812130241	50-261	Q	TILLINGHAST, J.	7810310204
STRIGHT, R. L.	7811070129	50-592	A	BUTHERLAND, J. T.	7812280328	50-250	Q	TILLINGHAST, J.	7811220266
STRIGHT, R. L.	7811090260	50-592	A	SWALES, J.	7811240156*	50-265	B	TILLINGHAST, J.	7811290247
STRIGHT, R. L.	7812030321	50-592	A	SWAN, W. B.	7812180343*	50-400	Q	TILLINGHAST, J.	7812260198
STRIGHT, R. L.	7812010101	50-592	A	SWAN, W. B.	7812280080*	50-424	Q	TILLINGHAST, J.	7812270178
SU, S. T.	7812060253	50-502	A	SWANSON, D. T.	7810250009	50-70	Q	TILLINGHAST, J.	7812290175
SULLIVAN, R. F.	7811010280*	50-259	Q	SWANSON, D. T.	7810240089	50-508	Q	TILLINGHAST, J.	7812260245
SULLIVAN, R. F.	7812050057*	50-259	Q	SWANSON, D. T.	7811070185	50-338	Q	TILLY, D. D.	7812270251
SULLIVAN, R. F.	7812070054*	50-373	A	SWANSON, D. T.	7811200064	50-70	Q	TOLBTON, A.	7810200057
SULLIVAN, R. F.	7812180328*	50-259	Q	SWANSON, D. T.	7812040260	50-70	Q	TOLBTON, A.	7810200148
SUMMA, J.	7812210070*	50-245	P	SWANSON, D. T.	7812040251	50-338	Q	TOLBTON, A.	7810230074
SUMMERS, R. J.	7812050304*	50-97	Q	SWANSON, D. T.	7812110331	50-338	Q	TOLBTON, A.	7811070100
SUMMERS, R. J.	7812050304*	50-97	Q	SWANSON, E. R.	7812290029*	50-285	Q	TORIN, P. A.	7811280239
SUTHERLAND, J. T.	7810260010*	50-250	Q	SWANSON, D. T.	7812150359	50-522	Q	TORIN, P. A.	7811280244
SUTHERLAND, J. T.	7810110245*	50-324	Q	SWANSON, D. T.	7812140111	50-70	Q	TORIN, P. A.	7812200215
SUTHERLAND, J. T.	7811030171*	50-250	Q	SWANSON, D. T.	7812180292	50-338	Q	TODD, Q. A.	7812010182
SUTHERLAND, J. T.	7811030175*	50-250	Q	SWANSON, D. T.	7812220009	50-338	Q	TODD, H. A.	7812200251
SUTHERLAND, J. T.	7810110265	50-259	Q	SWANSON, D. T.	7812270381	50-70	Q	TOLLISON, A. C.	7810100032
SUTHERLAND, J. T.	7810110283	50-259	Q	SWANSON, D. T.	7812290072	50-338	Q	TOLLISON, A. C.	7810100053
SUTHERLAND, J. T.	7810190037	50-390	Q	SWART, F. E.	7812180243	50-247	R	TOLLISON, A. C.	7810130181
SUTHERLAND, J. T.	7810180189	50-335	Q	SWEENEY, B.	7810120037*	50-335	B	TOLLISON, A. C.	7810130156
SUTHERLAND, J. T.	7810190030*	50-369	Q	TAGLIAMONTE, M.	7810130180*	50-286	R	TOLLISON, A. C.	7810130162
SUTHERLAND, J. T.	7810270213	50-327	Q	TAGLIAMONTE, M.	7811140106*	50-286	R	TOLLISON, A. C.	7810310142
SUTHERLAND, J. T.	7810260063	50-261	Q	TALWANI, P.	7810240077*	50-249	R	TOLLISON, A. C.	7810310222
SUTHERLAND, J. T.	7811020440*	50-160	Q	TANGLING, T. N.	7812270070*	50-346	Q	TOLLISON, A. C.	7811090197
SUTHERLAND, J. T.	7811130018*	50-259	Q	TAPIA, J. I.	7811270209*	50-362	Q	TOLLISON, A. C.	7811160141
SUTHERLAND, J. T.	7810230033*	50-369	Q	TAPIA, J. I.	7812060307*	50-556	Q	TOLLISON, A. C.	7811160144
SUTHERLAND, J. T.	7810250203*	50-369	Q	TAYLOR, R. Q.	7811020055*	50-445	Q	TOLLISON, A. C.	7811160092
SUTHERLAND, J. T.	7810130060*	50-269	Q	TAYLOR, R. Q.	7811020449*	50-445	Q	TOLLISON, A. C.	7811160133
SUTHERLAND, J. T.	7811170240*	50-324	Q	TAYLOR, R. Q.	7811070308*	50-445	Q	TOLLISON, A. C.	7812180335
SUTHERLAND, J. T.	7810310048	50-280	Q	TAYLOR, P. A.	7811220064*	50-321	Q	TOLLISON, A. C.	7812070217
SUTHERLAND, J. T.	7811010186	50-338	Q	TAYLOR, R. Q.	7812060341*	50-445	Q	TOLLISON, A. C.	7812070168
SUTHERLAND, J. T.	7811010407	50-250	Q	TAYLOR, A.	7812120044*	50-580	H	TOLLISON, A. C.	7812070181
SUTHERLAND, J. T.	7810300380*	50-369	Q	TAYLOR, P. A.	7812180317*	50-302	Q	TOLLISON, A. C.	7812080130
SUTHERLAND, J. T.	7810110240	50-324	Q	TAYLOR, P. A.	7812210350*	50-302	Q	TOLLISON, A. C.	7812200197
SUTHERLAND, J. T.	7810250239*	50-348	Q	TAYLOR, Q. T.	7812260065	50-329	Q	TOLLISON, A. C.	7812200201
SUTHERLAND, J. T.	7810250246*	50-348	Q	TAYLOR, Q. T.	7812260067*	50-329	Q	TOLLISON, A. C.	7812210183
SUTHERLAND, J. T.	7811080187	50-327	Q	TEDESCO, R. L.	7811200261*	50-437	A	TOLLISON, A. C.	7812210192
SUTHERLAND, J. T.	7811240009*	50-335	Q	TEDESCO, R. L.	7811200262*	50-437	A	TOLLISON, A. C.	7812210222
SUTHERLAND, J. T.	7811240011*	50-335	Q	TEDESCO, R. L.	7811200142*	50-437	A	TOLLISON, A. C.	7812270293
SUTHERLAND, J. T.	7811240013*	50-335	Q	TEDESCO, R. L.	7811200138*	50-437	A	TOLLISON, A. C.	7812270303
SUTHERLAND, J. T.	7811030231*	50-335	Q	TEDESCO, R. L.	7811200134*	50-437	A	TOMONTO, J. R.	7812140152
SUTHERLAND, J. T.	7811130386	50-364	Q	TEDESCO, R. L.	7811200130*	50-437	A	TOTH, A. D.	7811140249
SUTHERLAND, J. T.	7811130009	50-332	Q	TEDESCO, R. L.	7811200439*	50-437	A	TOTH, A. D.	7811140280
SUTHERLAND, J. T.	7811130410	50-328	Q	TEDESCO, R. L.	7811200232*	50-437	A	TOTH, A. D.	7811170899
SUTHERLAND, J. T.	7812070069*	50-261	Q	TEDESCO, R. L.	7810270024	50-329	Q	TOTH, A. D.	7812180262
SUTHERLAND, J. T.	7811240077*	50-302	Q	TEDESCO, R. L.	7811060106*	50-556	Q	TOURTELLOTT, J.	7810240013

TOURTELLOTTIE, J.	7810300082	50-275	Q	UHRIG, R. E.	7810110291*	50-250	Q	UTLEY, E. E.	7810110108	50-261
TOURTELLOTTIE, J.	7811060098	50-275	Q	UHRIG, R. E.	7811030168*	50-250	Q	UTLEY, E. E.	7810130122	50-324
TOURTELLOTTIE, J.	7811100014	50-275	Q	UHRIG, R. E.	7810230052*	50-335	Q	UTLEY, E. E.	7810130143	50-324
TOURTELLOTTIE, J.	7812140373	50-275	Q	UHRIG, R. E.	7810240071*	50-250	Q	UTLEY, E. E.	7810240127	50-324
TOWER, J.	7810110203*	50-70	P	UHRIG, R. E.	7810120075	50-230	F	UTLEY, E. E.	7810260249	50-324
TOWER, J.	7810110203*	50-70	P	UHRIG, R. E.	7810110121	50-335	P	UTLEY, E. E.	7810270147	50-261
TRAINA, P. J.	78102780026*	50-250	P	UHRIG, R. E.	7810230075*	50-250	Q	UTLEY, E. E.	7810270111	50-324
TRAINA, P. J.	7812010243	50-390	A	UHRIG, R. E.	7810200252	50-335	Q	UTLEY, E. E.	7810310122	50-261
TRAINA, P. J.	7812280040*	50-250	P	UHRIG, R. E.	7810230329	50-335	Q	UTLEY, E. E.	7811090109	50-324
TRAMMELL, C. H.	7810120120	50-344	P	UHRIG, R. E.	7810200188	50-250	Q	UTLEY, E. E.	7811160135	50-324
TRAMMELL, C. H.	7812180009	50-344	P	UHRIG, R. E.	7810110077	50-335	P	UTLEY, E. E.	7811170127	50-261
TRAMPLEASURE, L.	7810140100	50-70	Q	UHRIG, R. E.	7810120022	50-250	P	UTLEY, E. E.	7812110133	50-261
TRAXLER, D. V.	7810240150*	50-10	B	UHRIG, R. E.	7810110159	50-250	P	UTLEY, E. E.	7812130115	50-324
TRAXLER, D. V.	7811090124*	50-10	S	UHRIG, R. E.	7810110123	50-251	P	UTLEY, E. E.	7812270192	50-324
TREBY, S. A.	7810120019	50-70	Q	UHRIG, R. E.	7810120028	50-250	P	UTLEY, E. E.	7812270207	50-324
TREBY, S. A.	7810230218	50-338	Q	UHRIG, R. E.	7810180115	50-335	J	VAHRENWALD, J.	7810170235*	50-254
TREBY, S. A.	7811060167	50-344	Q	UHRIG, R. E.	7810230140	50-250	J	VAHRENWALD, J.	7811240240*	50-254
TREBY, S. A.	7811080029	50-275	Q	UHRIG, R. E.	7810300107	50-250	J	VALENTINE, P. C.	7811010324	50-275
TREBY, S. A.	7811200137	50-338	Q	UHRIG, R. E.	7810170191*	50-250	P	VALENTINE, P. C.	7810300008	50-275
TREBY, S. A.	7812040371	50-338	F	UHRIG, R. E.	7810200045	50-250	P	VALENTINE, P. C.	7811070308	50-275
TREBY, S. A.	7812050342	50-338	Q	UHRIG, R. E.	7810240088	50-389	A	VALENTINE, P. C.	7812180309	50-275
TREBY, S. A.	7812130079	50-822	Q	UHRIG, R. E.	7810270182	50-250	P	VALLADE, B.	7810310309*	50-346
TREBY, S. A.	7812280195	50-395	Q	UHRIG, R. E.	7811090242	50-335	S	VALLISH, E. J.	7812070030	50-364
TREBY, S. A.	7812270114	50-320	Q	UHRIG, R. E.	7811100082*	50-250	Q	VALLISH, E. J.	7812280315*	50-395
TROFFER, Q. J.	7810240119	50-289	P	UHRIG, R. E.	7811030226	50-335	Q	VALLISH, E. J.	7812060362*	50-389
TROFFER, Q. J.	7811140103	50-289	P	UHRIG, R. E.	7811070309	50-250	Q	VALLISH, E. J.	7812040175*	50-395
TROFFER, Q. J.	7811160145	50-289	P	UHRIG, R. E.	7811240007*	50-335	Q	VALLISH, E. J.	7811280089	50-437
TROFFER, Q. J.	7812290129	50-289	P	UHRIG, R. E.	7810310002	50-335	F	VAN ART, A. E.	7810300204	50-409
TROSTEN, L. M.	7812260014	50-247	P	UHRIG, R. E.	7810310121	50-250	F	VAN BRUNT, E. E.	7810310294*	50-528
TROUP, Q. L.	7811130049*	50-259	Q	UHRIG, R. E.	7812010043	50-250	Q	VAN BRUNT, E. E.	7810230056	50-592
TROUP, Q. L.	7810230036*	50-369	Q	UHRIG, R. E.	7812010119*	50-250	Q	VAN BRUNT, E. E.	7810310288*	50-528
TROUP, Q. L.	7811170245	50-324	Q	UHRIG, R. E.	7811060095	50-335	P	VAN BRUNT, E. E.	7810310363*	50-528
TROUP, Q. L.	7812060032*	50-259	Q	UHRIG, R. E.	7811070144	50-250	I	VAN BRUNT, E. E.	7810180091	50-592
TROUP, Q. L.	7812210155*	50-324	Q	UHRIG, R. E.	7811070180	50-250	P	VAN BRUNT, E. E.	7811060087	50-592
TROWBRIDGE, Q. F.	7810130228	50-266	Q	UHRIG, R. E.	7811210188	50-250	Q	VAN BRUNT, E. E.	7810310140	50-592
TROWBRIDGE, Q. F.	7810200034	50-320	Q	UHRIG, R. E.	7812010128*	50-250	Q	VAN BRUNT, E. E.	7811090086	50-592
TROWBRIDGE, Q. F.	7810230326	50-266	Q	UHRIG, R. E.	7811130221	50-250	F	VAN BRUNT, E. E.	7811290150	50-592
TROWBRIDGE, Q. F.	7812010316	50-400	Q	UHRIG, R. E.	7811140219	50-335	P	VAN BRUNT, E. E.	7812210132	50-592
TROWBRIDGE, Q. F.	7812210456	50-320	Q	UHRIG, R. E.	7811160107	50-335	P	VAN BRUNT, E. E.	7812210114*	50-528
TROWBRIDGE, Q. F.	7812280079	50-400	Q	UHRIG, R. E.	7811220002	50-335	Q	VAN BRUNT, E. E.	7812110126	50-528
TRUBATCH, S. L.	7812110224	50-247	Q	UHRIG, R. E.	7811240025	50-250	Q	VAN BRUNT, E. E.	7812190071	50-528
TRUBATCH, S. L.	7812110226	50-247	Q	UHRIG, R. E.	7811160139	50-250	P	VAN BICKEL, J.	7810200063*	50-331
TRUBATCH, S. L.	7812110228	50-247	Q	UHRIG, R. E.	7811290320	50-389	Q	VAN BICKEL, J.	7811210394*	50-331
TRZYNA, Q.	7810170211*	50-304	B	UHRIG, R. E.	7811300004*	50-335	Q	VAN BICKEL, J.	7811280206*	50-331
TRZYNA, Q.	7811240206*	50-295	B	UHRIG, R. E.	7811210338	50-250	P	VAN BICKEL, J.	7812190139*	50-331
TRZYNA, Q.	7812210219*	50-295	B	UHRIG, R. E.	7812010100	50-250	Q	VANDEL, T. E.	7811010057	50-388
TURBAK, M. S.	7810100027	50-237	P	UHRIG, R. E.	7811210327	50-335	P	VANDENBURGH, D.	7811140177	50-29
TURBAK, M. S.	7810100078	50-10	R	UHRIG, R. E.	7811210328	50-335	P	VANDENBURGH, D.	7810160135	50-271
TURBAK, M. S.	7810200086	50-10	P	UHRIG, R. E.	7811240209	50-335	P	VANDENBURGH, D.	7810260160	50-29
TURBAK, M. S.	7810240158	50-10	P	UHRIG, R. E.	7811290229	50-335	B	VANDENBURGH, D.	7811020247	50-29
TURBAK, M. S.	7810310093	50-10	Q	UHRIG, R. E.	7812050240	50-250	Q	VANDENBURGH, D.	7811140224	50-271
TURBAK, M. S.	7810260153	50-10	B	UHRIG, R. E.	7811270161	50-250	P	VANDENBURGH, D.	7811140190	50-29
TURBAK, M. S.	7811060120	50-254	Q	UHRIG, R. E.	7811280228	50-250	P	VANDENBURGH, D.	7811240167	50-29
TURBAK, M. S.	7811140105	50-237	P	UHRIG, R. E.	7812060356	50-389	Q	VANDENBURGH, D.	7811240238	50-29
TURBAK, M. S.	7811140099	50-10	R	UHRIG, R. E.	7812180316*	50-335	Q	VANDENBURGH, D.	7811290243	50-309
TURBAK, M. S.	7811210257	50-237	P	UHRIG, R. E.	7812270275*	50-335	P	VANDENBURGH, D.	7811290255	50-29
TURBAK, M. S.	7812050107	50-10	P	UHRIG, R. E.	7812140195	50-335	Q	VANDENBURGH, D.	7811400234	50-29
TURBAK, M. S.	7811270158	50-10	V	UHRIG, R. E.	7812280339*	50-250	Q	VANDENBURGH, D.	7812080116	50-29
TURBAK, M. S.	7811280246	50-237	P	UHRIG, R. E.	7812120239*	50-250	Q	VANDEL, T. E.	7812290247*	50-461
TURBAK, M. S.	7812120155	50-10	P	UHRIG, R. E.	7812120145	50-389	A	VANDQORN, P. K.	7811080158*	50-395
TURBAK, M. S.	7812120070	50-237	P	UHRIG, R. E.	7812190235	50-250	Q	VANDQORN, P. K.	7811080302*	50-438
TURBAK, M. S.	7812220093	50-237	P	UHRIG, R. E.	7812210138	50-335	Q	VANDQORN, P. K.	7812050307*	50-327
TURBAK, M. S.	7812200219	50-254	P	UHRIG, R. E.	7812280019	50-250	P	VANDQORN, P. K.	7812180343*	50-400
TURBAK, M. S.	7812270327	50-10	P	UHRIG, R. E.	7812140146	50-251	P	VANDQORN, P. K.	7812290128*	50-327
TURDERA, J. L.	7812110273*	50-482	A	UHRIG, R. E.	7812140150	50-250	P	VANBICKEL, J.	7811270150*	50-331
TURI, Q.	7811220060*	50-549	T	UHRIG, R. E.	7812180138	50-250	Q	VANTHIEL, M.	7811020033	50-70
TURI, Q.	7811220068*	50-549	T	UHRIG, R. E.	7812210068	50-250	Q	VARELA, A. A.	7811210248*	50-345
TURNER, E. A.	7810300088	50-498	A	UHRIG, R. E.	7812210196	50-251	P	VARELA, A. A.	7811300347*	50-412
TURNER, E. A.	7811020387*	50-498	G	UHRIG, R. E.	7812270190	50-250	F	VARGA, S. A.	7810140083	50-390
TURNER, E. A.	7810120024	50-498	K	UHRIG, R. E.	7812270267	50-335	P	VARGA, S. A.	7810110211	50-556
TURNER, E. A.	7811020393*	50-498	Q	UHRIG, R. E.	7812290147	50-335	P	VARGA, S. A.	7810140079	50-443
TURNER, E. A.	7811170090*	50-466	Q	UHRIG, R. E.	7812210195	50-250	P	VARGA, S. A.	7810140086	50-413
TURNER, E. A.	7811010144	50-498	A	UHRIG, R. E.	7812270187	50-250	P	VARGA, S. A.	7810230063	50-556
TURNER, E. A.	7811090106	50-498	S	UHRIG, R. E.	7812280139	50-250	P	VARGA, S. A.	7810240213	50-529
TURNER, E. A.	7811300382*	50-498	Q	UHRIG, R. E.	7812270221	50-250	P	VARGA, S. A.	7811010342	50-520
TURNER, A. J.	7812130006	50-275	Q	ULLRICH, W. T.	7811080094	50-277	B	VARGA, S. A.	7810300340	50-556
TURNER, E. A.	7811160131	50-498	A	ULLRICH, W. T.	7811140086	50-278	B	VARGA, S. A.	7810100065*	50-414
TURNER, E. A.	7811300216	50-498	B	ULLRICH, W. T.	7811280470	50-278	B	VARGA, S. A.	7810310264*	50-329
TURNER, E. A.	7811240114	50-498	C	UPTHEGROVE, W. R.	7810110167	50-112	P	VARGA, S. A.	7811140261*	50-410
TURNER, E. A.	7812190147	50-498	A	UPTHEGROVE, W. R.	7811090082	50-112	P	VARGA, S. A.	7811140261*	50-410
TURNER, E. A.	7812280181	50-466	B	URBAN, J. R.	7812040032	50-346	M	VARGA, S. A.	7811150109*	50-329
TUTHILL, S. J.	7810240104	50-331	P	URBAN, J. R.	7812140209	50-346	M	VARGA, S. A.	7811080249	50-488
UGOLINI, D. J.	7811240198*	50-295	B	UTLEY, E. E.	7811220180*	50-325	P	VARGA, S. A.	7811130055	50-556
UTLEY, R. E.	7810260007*	50-250	Q	UTLEY, E. E.	7811220177	50-325	P	VARGA, S. A.	7811140059	50-329
UTLEY, R. E.	7810260070	50-389	Q	UTLEY, E. E.	7810110110	50-324	P	VARGA, S. A.		

AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR	ACCESSION NUMBER	SUBJECT CATEGORY
VARGA, S. A.	7811130377	50-491 A	WALLACE, E. Q.	7810300148	50-219 H	WAREMBOURG, D.	7810300179	50-267 B
VARGA, S. A.	7811130010	50-445 A	WALLACE, H. V.	7810300133*	50-289 H	WAREMBOURG, D.	7810300309	50-267 B
VARGA, S. A.	7811170073	50-397 A	WALLACE, E. Q.	7810300157*	50-219 P	WAREMBOURG, D.	7810160100	50-267 R
VARGA, S. A.	7811150032	50-466 A	WALLACE, J. A.	7811210090	50-331 Q	WAREMBOURG, D.	7810230163	50-267 R
VARGA, S. A.	7811290003	50-372 A	WALLACE, J. J.	7811140118*	50-305 R	WAREMBOURG, D.	7810270228	50-267 S
VARQA, S. A.	7811240073	50-390 A	WALLACE, T.	7812070053	50-223 P	WAREMBOURG, D.	7810270276	50-267 B
VARQA, S. A.	7811240078	50-445 A	WALLIN, G.	7812290233	50-331 Q	WAREMBOURG, D.	7810310223	50-267 B
VARQA, S. A.	7811300007	50-329 A	WALSH, P.	7810190085	50-266 Q	WAREMBOURG, D.	7811070234	50-267 R
VARQA, S. A.	7812030094*	50-329 A	WALSH, P.	7810190088*	50-266 Q	WAREMBOURG, D.	7811160071	50-267 P
VARQA, S. A.	7812010343	50-445 A	WALSH, P.	7812270090	50-266 Q	WAREMBOURG, D.	7811270154	50-267 P
VARQA, S. A.	7812110100	50-356 A	WALSH, P.	7812220027	50-303 Q	WAREMBOURG, D.	7811280285	50-267 B
VARQA, S. A.	7812080009	50-356 A	WALSH, P.	7812220027*	50-303 Q	WAREMBOURG, D.	7811280312	50-267 S
VARQA, S. A.	7812190184	50-454 A	WALSH, P.	7812220031*	50-305 Q	WAREMBOURG, D.	7812130163	50-267 R
VARQA, S. A.	7812190185*	50-454 A	WALTERS, D. K.	7812150199*	50-390 Q	WAREMBOURG, D.	7812130135	50-267 S
VARQA, S. A.	7812180391	50-329 A	WALTON, G. A.	7811130283*	50-334 Q	WAREMBOURG, D.	7812130190	50-267 B
VARQA, S. A.	7812140242	50-327 A	WALTON, G. A.	7812290220*	50-334 Q	WAREMBOURG, D.	7812130176	50-267 B
VARQA, S. A.	7812200351	50-397 A	WAMBACH, T. V.	7810110075*	50-243 P	WAREMBOURG, D.	7810310179*	50-267 S
VARIN, D. H.	7810180084	50-368 A	WAMBACH, T. V.	7811020408*	50-409 P	WAREMBOURG, D.	7812200209	50-267 R
VASSALLO, D. B.	7812130072*	50-471 Q	WAMBACH, T. V.	7810300125	50-213 P	WAREMBOURG, D.	7812200164	50-267 P
VASSALLO, D. B.	7811060100*	50-356 Q	WAMBACH, T. V.	7811280084*	50-29 P	WAREMBOURG, D.	7812270201	50-267 B
VASSALLO, D. B.	7811030194	50-346 P	WAMBACH, T. V.	7812040020*	50-206 P	WARES, C. S.	7811210478*	50-556 H
VASSALLO, D. B.	7811010189	50-549 A	WAND, N. E.	7812210203	50-295 S	WARNICK, R. F.	7810110185*	50-305 Q
VASSALLO, D. B.	7811080241	50-580 A	WANDKE, N. E.	7810170208	50-304 S	WARNICK, R. F.	7811210436*	50-266 Q
VASSALLO, D. B.	7811200036	50-416 A	WANDKE, N. E.	7810170184	50-293 S	WARNICK, R. F.	7811300141*	50-155 Q
VASSALLO, D. B.	7812070036	50-275 E	WANDKE, N. E.	7810170181	50-293 S	WARNICK, R. F.	7812060128*	50-305 Q
VASSALLO, D. B.	7811280081	50-327 A	WANDKE, N. E.	7810170207	50-293 S	WARNICK, R. F.	7812140016*	50-283 Q
VASSALLO, D. B.	7811280086	50-390 A	WANDKE, N. E.	7810180050	50-295 S	WARNICK, R. F.	7812060077*	50-409 Q
VASSALLO, D. B.	7811280088	50-445 A	WANDKE, N. E.	7810170219	50-293 S	WARNICK, R. F.	7812200099*	50-292 Q
VASSALLO, D. B.	7812800091	50-329 A	WANDKE, N. E.	7810170231	50-304 S	WARNICK, R. F.	7812130043*	50-313 Q
VASSALLO, D. B.	7812800094	50-397 A	WANDKE, N. E.	7810170233*	50-304 S	WARNICK, R. F.	7812200295*	50-358 Q
VASSALLO, D. B.	7811280097	50-322 A	WANDKE, N. E.	7810170225	50-293 S	WARNICK, R. F.	7812290032*	50-266 Q
VASSALLO, D. B.	7811280101	50-373 A	WANDKE, N. E.	7810170228*	50-293 S	WATFORD, H. L.	7810160149*	50-261 R
VASSALLO, D. B.	7811280106	50-438 A	WANDKE, N. E.	7810170214	50-293 S	WATFORD, H. L.	7811160120*	50-261 R
VASSALLO, D. B.	7811280109	50-387 A	WANDKE, N. E.	7810170223*	50-293 S	WATFORD, H. L.	7812180351*	50-261 R
VASSALLO, D. B.	7811280113	50-361 A	WANDKE, N. E.	7810170241	50-293 S	WATKINS, R. V.	7810290046	50-502 A
VASSALLO, D. B.	7811280116	50-395 A	WANDKE, N. E.	7810170218	50-304 S	WATKINS, R. V.	7811140170*	50-318 S
VASSALLO, D. B.	7811280122	50-339 A	WANDKE, N. E.	7810170231	50-293 S	WATKINS, K. B.	7811300199*	50-319 S
VASSALLO, D. B.	7811280125	50-311 A	WANDKE, N. E.	7810170239	50-304 S	WATKINS, R. V.	7812200303	50-502 E
VASSALLO, D. B.	7811280132	50-498 A	WANDKE, N. E.	7811240127	50-295 S	WATKINS, K. B.	7812130174*	50-318 S
VASSALLO, D. B.	7812010342	50-341 A	WANDKE, N. E.	7811240197	50-295 S	WATKINS, R. V.	7812290047	50-327 A
VASSALLO, D. B.	7812010346	50-416 A	WANDKE, N. E.	7811240200	50-295 S	WATSON, K. S.	7812180246	50-329 M
VASSALLO, D. B.	7812010349	50-358 A	WANDKE, N. E.	7811240212	50-295 S	WATT, J. J.	7811240270*	50-549 T
VASSALLO, D. B.	7812030080	50-364 A	WANDKE, N. E.	7811240218	50-304 S	WATT, J. J.	7811240277*	50-549 T
VASSALLO, D. B.	7812030083	50-275 A	WANDKE, N. E.	7811240221	50-293 S	WATTS, A. R.	7811200411	50-592 Q
VASSALLO, D. B.	7812050084	50-368 P	WANDKE, N. E.	7811240145	50-304 S	WATTS, H. J.	7812150034	50-143 T
VASSALLO, D. B.	7812280343*	50-329 Q	WANDKE, N.	7811010141	50-295 R	WEBB, J. D.	7811070143*	50-443 T
VASSALLO, D. B.	7812130011	50-333 P	WANDKE, N. E.	7811240195	50-304 S	WEBSTER, E. H.	7811220005*	50-333 Q
VASSALLO, D. B.	7812190213	50-482 A	WANDKE, N. E.	7811240227	50-295 S	WEBSTER, E. H.	7812060228*	50-338 Q
VELO, D. J.	7811020359	50-267 S	WANDKE, N. E.	7811240205	50-295 S	WEIDNER, R.	7812210193*	50-237 E
VENN, LEEDS, J.	7811080219	50-518 Q	WANDKE, N. E.	7811240207	50-295 S	WEINER, R. H.	7810110142	50-496 Q
VERDERY, E. H.	7811070320*	50-250 Q	WANDKE, N. E.	7811240135	50-304 S	WEISSARD, A. J.	7812220141	50-320 Q
VERDERY, E. H.	7812010109*	50-250 Q	WANDKE, N. E.	7811240176	50-304 S	WEISS, E. R.	7810300039	50-338 P
VERDERY, E. H.	7812190243*	50-280 Q	WANDKE, N. E.	7812110124	50-295 S	WEISS, E. R.	7810300037*	50-338 Q
VERDUZCO, O. H.	7811060035*	50-298 Q	WANDKE, N. E.	7812110144	50-295 S	WEISS, E. R.	7810300065*	50-338 Q
VEZEY, E. E.	7812110116*	50-447 A	WANDKE, N. E.	7812110187	50-295 S	WEISS, E. R.	7812110101	50-338 Q
VISSCHER, H. S.	7812010205	50-395 A	WANDKE, N. E.	7812110161	50-295 S	WEISS, E. R.	7812280198	50-338 Q
VOGT-LOHMEYER, R.	7810130051*	50-366 Q	WANDKE, N. E.	7812110181	50-295 S	WELLER, R. A.	7811290046*	50-514 Q
VOGT-LOHMEYER, R.	7810130099*	50-321 Q	WANDKE, N. E.	7812110175	50-295 S	WENSLAWSKI, F. A.	7811270107*	50-344 Q
VOGT-LOHMEYER, R.	7811220099*	50-260 Q	WANDKE, N. E.	7812110160	50-295 S	WERLING, J. A.	7810100030	50-334 P
VOGTLE, A. M.	7811030034*	50-424 Q	WANDKE, N. E.	7812110179	50-295 S	WERLING, J. A.	7810100034*	50-334 P
VOIGHT, R. H.	7811130399	50-548 Q	WANDKE, N. E.	7812210214	50-295 S	WERLING, J. A.	7810100084	50-334 P
VOIOT, M. H.	7810140028	50-452 Q	WANDKE, N. E.	7812210227	50-295 S	WERLING, J. A.	7811030144	50-334 P
VOIOT, M. H.	7811010136	50-546 Q	WANDKE, N. E.	7812210217	50-304 S	WERLING, J. A.	7811130218	50-334 P
VOLLEN, R. J.	7811160050	50-367 Q	WANDKE, N. E.	7812210234	50-295 S	WERLING, J. A.	7811130220*	50-334 P
VOMACKA, A.	7811020169	50-466 Q	WANG, C. H.	7812270193	50-106 P	WERLING, J. A.	7811170214	50-334 P
VOMACKA, A.	7811020176*	50-466 Q	WARD, J. J.	7812240236*	50-498 Q	WERLING, J. A.	7811170219	50-334 P
VOMACKA, A.	7811020181*	50-466 Q	WARD, K. D.	7811010039*	50-373 Q	WERLING, J. A.	7811170172	50-334 P
VORDERBRUGGEN	7811270058*	50-312 Q	WARD, K. D.	7811300221*	50-358 Q	WERLING, J. A.	7811170178*	50-334 P
VOTH, M. H.	7811160147	50-34 P	WARD, E. C.	7810170224	50-282 S	WERLING, J. A.	7811170221	50-334 P
VOTH, M. H.	7812290157	50-54 J	WARD, W. H.	7811160181	50-482 S	WERLING, J. A.	7811170234*	50-334 P
VOZENILBA, H.	7811100018	50-397 Q	WARD, K. D.	7811280032*	50-331 Q	WERLING, J. A.	7812120143	50-334 P
WACHTER, L. J.	7810170262*	50-263 P	WARD, J. J.	7811200330*	50-298 Q	WERLING, J. A.	7812120148*	50-334 P
WACHTER, L. J.	7810200080*	50-263 P	WARD, K. D.	7811210024*	50-331 Q	WERLING, J. A.	7812180180	50-334 P
WACHTER, L. J.	7811280338	50-263 P	WARD, J. J.	7812060341*	50-445 Q	WERLING, J. A.	7812180184*	50-334 P
WACHTER, L. J.	7812210036	50-282 Q	WARD, K. D.	7812140028*	50-329 Q	WERLING, J. A.	7812290282	50-334 P
WACHTER, L. J.	7812070222*	50-263 P	WARD, K. D.	7812060178*	50-266 Q	WERLING, J. A.	7812290286*	50-334 P
WAGNER, A. O.	7811090279*	50-390 Q	WARD, E. C.	7811070215	50-282 S	WERLING, J. A.	7812290216	50-334 P
WAGNER, A. O.	7812270386*	50-390 Q	WARD, K. D.	7812080057*	50-358 Q	WERLING, J. A.	7812290223*	50-334 P
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7810110174	50-317	S
7810130173	50-317	S
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Bancroft, M H

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Black & Veatch

Blum & Shoenly

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7811090149	50-329	A
7811090156	50-329	A
7811090156	50-329	A
7811100062	50-387	S
7812110273	50-482	A
7810310051	50-556	B
7811080060	50-369	Q
7811290350	50-369	Q
7812190112	50-320	H
7810170136	50-293	P
7810170160	50-471	A
7810170164	50-471	A
7810180113	50-293	P
7810180130	50-293	R
7810180131	50-293	R
7810230205	50-293	I
7810230205	50-293	I
7810250107	50-293	P
7810270105	50-293	P
7810310158	50-293	S
7810310162	50-293	S
7811070004	50-471	Q
7811070185	50-293	P
7811080152	50-293	S
7811080156	50-293	S
7811090140	50-471	I
7811090161	50-293	S
7811090168	50-293	S
7811140132	50-293	K
7811140183	50-293	S
7811140188	50-293	S
7811140200	50-471	A
7811140207	50-293	S
7811140212	50-293	S
7811150168	50-293	F
7811210263	50-293	R
7811210269	50-293	R
7811210326	50-471	I
7811210341	50-293	S
7811210345	50-293	S
7811270163	50-293	P
7811280333	50-293	S
7811280335	50-293	S
7812010050	50-471	Q
7812010059	50-471	Q
7812040173	50-293	S
7812040176	50-293	S
7812050185	50-293	S
7812050192	50-293	S
7812050228	50-293	I
7812060223	50-293	P
7812060185	50-293	Q
7812110166	50-293	P
7812120135	50-293	S
7812120141	50-293	S
7812180168	50-293	S
7812180172	50-293	S
7812200183	50-293	R
7812200185	50-293	R

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY
Brookhaven National Laboratory	7812210258	50-293 P		7811160092*	50-325 S
	7812260218	50-293 K		7811160094*	50-324 R
	7812260223*	50-293 K		7811160094*	50-324 R
	7810110076*	50-245 P		7811160119	50-261 R
	7810270417*	50-213 P		7811160120*	50-261 R
Burndy Husky C-E Power Systems	7812120119	50-250 F		7811160132	50-325 S
	7812120123*	50-250 F		7811160133*	50-325 S
	7812130386	50-305 P		7811160135	50-324 P
	7812270068	50-358 A		7811160137	50-325 S
	7811150099*	50-309 P		7811160138	50-325 S
California Polytech State Univ. California, State of	7812070066	50-394 P		7811160141*	50-325 S
	7811060044*	50-582 Q		7811160144*	50-325 S
	7811220094	50-592 Q		7811170127	50-261 Q
	7812290171	50-275 H		7811170209	50-325 S
California, Univ. of, Berkeley	7811300215	50-433 J		7811170213*	50-325 S
California, Univ. of, Davis California, Univ. of, Irvine California, Univ. of, Los Angeles California, Univ. of, San Diego Carolina Environmental Study Group	7810140045*	50-213 U		7811170238*	50-324 Q
	7812060145	50-326 S		7811170238*	50-324 Q
	7812080099	50-142 P		7811220177	50-325 P
	7811010388*	50-275 Q		7811220180*	50-325 P
	7811080060	50-269 Q		7811220183	50-325 S
Carolina Power & Light Co.	7810100029	50-324 S		7811220187*	50-324 S
	7810100032*	50-324 S		7811280226	50-400 F
	7810100043	50-261 S		7811300165	50-400 Q
	7810100048*	50-261 S		7812010232	50-261 R
	7810100049	50-325 S		7812070065*	50-261 Q
	7810100053*	50-325 S		7812070165	50-325 S
	7810110108	50-261 P		7812070168*	50-325 S
	7810110110	50-324 P		7812070175	50-324 S
	7810110110	50-324 P		7812070181*	50-324 S
	7810110229*	50-261 Q		7812070187	50-400 S
	7810110242*	50-324 Q		7812070188*	50-400 S
	7810130121	50-324 R		7812070188*	50-400 S
	7810130121	50-324 R		7812070188*	50-400 S
	7810130122	50-324 A		7812070188*	50-400 S
	7810130122	50-324 A		7812070214	50-325 S
	7810130124*	50-324 R		7812070217*	50-325 S
	7810130143	50-324 P		7812080127	50-325 S
	7810130143	50-324 P		7812080130*	50-325 S
	7810130152	50-325 S		7812110133	50-261 F
	7810130156*	50-325 S		7812130115	50-324 Q
	7810130158	50-325 S		7812130251*	50-261 Q
	7810130162*	50-325 S		7812130296*	50-324 Q
	7810130177	50-324 S		7812130383	50-400 Q
	7810130181*	50-324 S		7812140158	50-325 S
	7810130189	50-325 S		7812140160*	50-325 S
	7810160147	50-261 R		7812140163	50-261 S
	7810160149*	50-261 R		7812140165*	50-261 S
	7810190270	50-261 R		7812150330	50-324 R
	7810230020*	50-261 Q		7812150330	50-324 R
	7810230143	50-324 S		7812150332*	50-324 R
	7810230146*	50-324 S		7812150348	50-261 R
	7810230193	50-324 S		7812150351*	50-261 R
	7810230195*	50-324 S		7812180334*	50-400 Q
	7810240127	50-324 P		7812180334*	50-400 Q
	7810260249	50-324 Q		7812180334*	50-400 Q
	7810260249	50-324 Q		7812180334*	50-400 Q
	7810270111	50-324 Q		7812180335	50-324 Q
	7810270111	50-324 Q		7812190118	50-261 J
	7810270123	50-400 A		7812190123*	50-261 J
	7810270147	50-261 F		7812200198	50-324 S
	7810270215	50-261 S		7812200199*	50-324 S
	7810270228*	50-261 S		7812200200	50-324 S
	7810300140	50-400 A		7812200201*	50-324 S
	7810310122	50-261 Q		7812210181	50-325 S
	7810310123	50-261 S		7812210185*	50-325 S
	7810310127*	50-261 S		7812210187	50-325 S
	7810310139	50-324 S		7812210192*	50-325 S
	7810310142*	50-324 S		7812210218	50-325 S
	7810310143	50-261 S		7812210222*	50-325 S
	7810310153*	50-261 S		7812210319	50-400 Q
	7810310210	50-261 S		7812210319	50-400 Q
	7810310217	50-324 S		7812270192	50-324 P
	7810310219*	50-261 S		7812270207	50-324 P
	7810310222*	50-324 S		7812270257	50-261 S
	7810310232	50-324 S		7812270263*	50-261 S
	7810310236*	50-324 S		7812270288	50-325 S
	7811090013*	50-324 Q		7812270292*	50-325 S
	7811090109	50-324 P		7812270298	50-324 S
	7811090186	50-261 S		7812270303*	50-324 S
	7811090191*	50-261 S		7810240001	50-313 P
	7811090194	50-325 S		7810170186	50-77 P
	7811090197*	50-325 S		7810160155	50-275 Q
	7811140216	50-400 S		7810190262*	50-275 Q
	7811160088	50-325 S		7810190262*	50-275 Q
	7811160091	50-324 R		7810190267*	50-275 Q
			Cathay, Goodwin & Hamilton		
			Catholic Univ.		
			Center for Law in the Public Interest		

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY
Cherry, M. M. /Cherry, Flynn & Kanter	7810190267*	50-275 Q	Commerce, Dept. of. National Bureau of Standards Commonwealth Edison Co.	7812060286*	50-184 G
	7810190269*	50-275 Q		7810100023	50-295 P
	7810190269*	50-275 Q		7810100027	50-237 P
	7812010048	50-275 Q		7810100033	50-373 A
	7812060126	50-329 Q		7810100078	50-10 R
Chickering & Gregory	7812060126	50-329 Q		7810110277	50-10 Q
	7812060172*	50-329 Q		7810110291*	50-324 Q
	7812060172*	50-329 Q		7810120036	50-295 P
	7812280340*	50-329 Q		7810120080	50-263 F
	7811060050	50-361 Q		7810120080	50-237 F
Cincinnati Gas & Electric Co.	7812010142	50-206 F		7810120080	50-265 F
	7812130093	50-206 H		7810120080	50-265 F
	78101010157	50-358 A		7810130163	50-237 B
	78101010169	50-358 K		7810130170*	50-237 B
	78101010171	50-358 K		7810170172	50-265 B
	7811070370	50-358 Q		7810170180*	50-265 B
	7811090069	50-358 K		7810170181	50-295 B
	7811210170	50-358 J		7810170184	50-295 B
	7811220008	50-358 Q		7810170184	50-295 B
	7812060016	50-358 Q		7810170185	50-237 P
	7812070119	50-358 K		7810170187*	50-295 B
	7812070147	50-358 F		7810170189*	50-295 B
	7812130306	50-358 K		7810170189*	50-295 B
	7812190084	50-358 F		7810170195	50-249 B
	7812190146	50-358 A		7810170198	50-265 B
	7812200148	50-358 A		7810170202*	50-265 B
	7812200214	50-358 K		7810170203*	50-249 B
	7812200218*	50-358 K		7810170204	50-10 B
	7812200228	50-358 Q		7810170207	50-295 B
	7812210163	50-358 Q		7810170208	50-304 B
Citizens Against Nuclear Dangers	7812270191	50-358 K		7810170211*	50-304 B
	7812270305	50-358 A		7810170212*	50-295 B
	7811010435*	50-387 Q		7810170214	50-295 B
	7812260003	50-387 Q		7810170216*	50-10 B
	7812260008*	50-387 Q		7810170218	50-304 B
Citizens Concerned About Nuclear Power, Inc.	7812110054	50-498 Q		7810170219	50-295 B
	7812110054	50-498 Q		7810170222*	50-304 B
	7812110057*	50-498 Q		7810170223*	50-295 B
	7812110057*	50-498 Q		7810170225	50-295 B
	7812290233	50-331 Q		7810170227*	50-295 B
Citizens United for Responsible Energy	7810240023	50-341 Q		7810170228*	50-295 B
	7811080282	50-341 Q		7810170231	50-295 B
	7812130191	50-341 Q		7810170232	50-264 B
	7812130202*	50-341 Q		7810170234*	50-295 B
	7812180052	50-349 Q		7810170235*	50-264 B
Citizens to Preserve the Hudson Valley	7810100007	50-440 A		7810170239	50-304 B
	7810110261*	50-440 Q		7810170241	50-295 B
	7811130230*	50-346 M		7810170242*	50-304 B
	7811130230*	50-346 M		7810170246*	50-295 B
	7811270022	50-440 Q		7810170251	50-304 B
Cleveland Electric Illuminating Co.	7811270281	50-440 Q		7810170253*	50-304 B
	7811270281	50-440 Q		7810180049*	50-295 B
	7812070230*	50-440 B		7810180050	50-295 B
	7812150279	50-346 M		7810180060	50-295 B
	7811020037	50-344 Q		7810180086	50-373 J
Cleveland, OH Coalition for Safe Power	7811020235	50-344 Q		7810180090*	50-373 J
	7812260332	50-344 Q		7810180101	50-10 R
	7810240003	50-437 A		7810180104*	50-10 R
	7810240086	50-437 A		7810190148	50-10 P
	7811200083*	50-437 A		7810190148	50-10 P
Coast Guard, Transportation, Dept. of	7811200102*	50-437 A		7810200086	50-10 P
	7811200276*	50-437 A		7810200092	50-237 B
	7811270166	50-317 P		7810200097*	50-237 B
	7811290261	50-437 A		7810200113	50-295 P
	7812130387*	50-344 P		7810200113	50-295 P
Colt Industries, Inc.	7811090134*	50-423 B		7810230181	50-373 A
	7811090135*	50-423 B		7810230181	50-373 A
	7811090136*	50-423 B		7810230194	50-295 P
	7811220237	50-466 Q		7810230258*	50-373 A
	7812040316	50-466 Q		7810230258*	50-373 A
Combustion Engineering, Inc.	7810190089*	50-368 P		7810240100	50-249 B
	7810190090*	50-368 P		7810240101	50-373 A
	7810190092*	50-368 P		7810240102*	50-249 B
	7810300244	50-470 K		7810240116	50-249 B
	7811160077	50-470 A		7810240121*	50-249 B
	7811290143	50-470 A		7810240136	50-249 B
	7811300213*	50-361 Q		7810240141*	50-249 B
	7812120074	50-470 K		7810240148	50-10 B
	7812120152*	50-470 K		7810240150*	50-10 B
	7812200223*	50-309 P		7810240168	50-10 P
Commerce, Dept. of	7812270163	50-470 K		7810250102	50-295 P
	7812270166*	50-407 K		7810250102	50-295 P
	7812290278*	50-596 B		7810250111	50-254 R
	7811210320	50-184 B		7810260183	50-10 P

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR AFFILIATION	ACCESSION NUMBER	SUB CAT
	7810270180	50-237 P		7811210388	50-1
	7810270229	50-249 S		7811210392*	50-1
	7810270231*	50-249 S		7811210410	50-2
	7810270234	50-237 S		7811220031	50-2
	7810270236*	50-237 S		7811220033*	50-2
	7810270287	50-237 S		7811220035*	50-2
	7810270296*	50-237 S		7811240127	50-2
	7810270302	50-249 S		7811240129*	50-2
	7810270305*	50-249 S		7811240135	50-3
	7810300097	50-295 P		7811240139*	50-3
	7810300097	50-295 P		7811240145	50-3
	7810300130	50-373 J		7811240147*	50-3
	7810310093	50-10 Q		7811240153	50-2
	7811010009	50-10 Q		7811240156*	50-2
	7811010069	50-295 P		7811240175	50-2
	7811010069	50-295 P		7811240176*	50-3
	7811010131*	50-295 R		7811240177*	50-2
	7811010141	50-295 R		7811240178*	50-3
	7811010141	50-295 R		7811240179	50-2
	7811020258	50-373 K		7811240181*	50-2
	7811020259*	50-373 K		7811240192	50-2
	7811020322	50-10 P		7811240193*	50-2
	7811020322	50-10 P		7811240195	50-3
	7811020322	50-10 P		7811240196*	50-3
	7811020322	50-10 P		7811240197	50-2
	7811020322	50-10 P		7811240198*	50-2
	7811020375*	50-254 F		7811240200	50-2
	7811020375*	50-254 F		7811240201*	50-2
	7811030143	50-237 S		7811240203	50-2
	7811030145*	50-237 S		7811240204*	50-2
	7811030161	50-10 P		7811240205	50-2
	7811030161	50-10 P		7811240206*	50-2
	7811030161	50-10 P		7811240207	50-2
	7811030161	50-10 P		7811240208*	50-2
	7811030161	50-10 P		7811240210	50-2
	7811030184	50-249 S		7811240211*	50-2
	7811030191*	50-249 S		7811240212	50-2
	7811060120	50-254 Q		7811240215*	50-2
	7811060159	50-249 S		7811240218	50-3
	7811060162*	50-249 S		7811240220*	50-3
	7811070118	50-254 S		7811240221	50-2
	7811070118	50-254 S		7811240222	50-2
	7811070168	50-295 P		7811240223*	50-2
	7811070168	50-295 P		7811240224*	50-2
	7811090113	50-10 S		7811240227	50-2
	7811090116	50-237 S		7811240229*	50-2
	7811090119*	50-237 S		7811240237	50-2
	7811090124*	50-10 S		7811240239	50-2
	7811090125	50-249 S		7811240240*	50-2
	7811090126*	50-249 S		7811240241*	50-2
	7811090129	50-237 S		7811270091	50-2
	7811090130*	50-237 S		7811270158	50-1
	7811090138	50-237 S		7811270170	50-2
	7811090142*	50-237 S		7811280194	50-2
	7811130202	50-295 Q		7811280199*	50-2
	7811130202	50-295 Q		7811280213	50-1
	7811140099	50-10 R		7811280213	50-1
	7811140105	50-237 P		7811280213	50-1
	7811140119	50-10 R		7811280213	50-1
	7811140119	50-10 R		7811280213	50-1
	7811140160	50-237 S		7811280213	50-1
	7811140163*	50-237 S		7811280246	50-2
	7811140169*	50-10 R		7811280246	50-2
	7811140175	50-373 H		7811280246	50-2
	7811140193	50-237 S		7811280246	50-2
	7811140199*	50-237 I		7811280264	50-2
	7811140203	50-237 S		7811280264	50-2
	7811140213*	50-237 S		7811280269*	50-2
	7811140215	50-237 S		7811280269*	50-2
	7811140220*	50-237 S		7811280278	50-2
	7811140222	50-249 S		7811280301	50-2
	7811140227*	50-249 S		7811280309*	50-2
	7811160112	50-237 S		7812040190	50-3
	7811160115*	50-237 S		7812040191	50-2
	7811160122	50-237 S		7812040195*	50-2
	7811160125*	50-237 S		7812040201	50-4
	7811210177	50-237 S		7812040201	50-4
	7811210181*	50-237 S		7812040201	50-4
	7811210257	50-237 P		7812040201	50-4
	7811210301	50-237 S		7812040204*	50-4
	7811210304*	50-237 S		7812040204*	50-4
	7811210314	50-454 A		7812040204*	50-4
	7811210333	50-249 S		7812040204*	50-4
	7811210339*	50-249 S		7812040207*	50-4
	7811210356	50-237 S		7812040208	50-4

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJE CATEG
	7812040208	50-454 C		7812200219	50-254
	7812040210*	50-454 C		7812200235	50-254
	7812040210*	50-454 C		7812200241*	50-254
	7812040212	50-456 C		7812200241*	50-254
	7812040212	50-456 C		7812210189	50-237
	7812040214*	50-456 C		7812210195*	50-237
	7812040214*	50-456 C		7812210203	50-295
	7812050100	50-373 K		7812210213*	50-295
	7812050100	50-373 K		7812210214	50-295
	7812050107	50-10 P		7812210217	50-304
	7812050107	50-10 P		7812210219*	50-295
	7812050107	50-10 P		7812210221*	50-304
	7812050107	50-10 P		7812210227	50-295
	7812060020	50-254 G		7812210228*	50-295
	7812060020	50-254 G		7812210234	50-295
	7812060059	50-456 G		7812210239*	50-295
	7812060153	50-373 F		7812210242	50-245
	7812060153	50-373 F		7812210244	50-245
	7812070121	50-454 K		7812210245*	50-245
	7812070121	50-454 K		7812210252*	50-245
	7812070121	50-454 K		7812220093	50-231
	7812070121	50-454 K		7812220093	50-231
	7812070172	50-237 F		7812220225	50-295
	7812070172	50-237 F		7812220225	50-295
	7812070185	50-454 K		7812220261	50-231
	7812070185	50-454 K		7812220271*	50-231
	7812070185	50-454 K		7812220284	50-245
	7812070185	50-454 K		7812220289*	50-245
	7812070211	50-295 P		7812220300	50-231
	7812070211	50-295 P		7812220302*	50-231
	7812070223	50-440 B		7812220327	50-10
	7812080095	50-295 P		7812280280*	50-231
	7812080114	50-10 P		7812290210	50-231
	7812110109	50-373 A		7812290215*	50-231
	7812110109	50-373 A	Connecticut Yankee Atomic Power Co.	7810130166	50-21
	7812110124	50-295 B		7810130169*	50-21
	7812110129*	50-295 B		7810180134	50-21
	7812110144	50-295 B		7810180136*	50-21
	7812110147*	50-295 B		7810240093	50-21
	7812110151	50-295 B		7810250106	50-21
	7812110154*	50-295 B		7810250110*	50-21
	7812110157	50-295 B		7810260171	50-21
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	7812110161	50-295 B		7811060103	50-21
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	7812110175	50-295 B		7811170217	50-2
	7812110176	50-254 B		7811210282	50-2
	7812110178*	50-254 B		7811210284*	50-2
	7812110179	50-295 B		7811210308	50-2
	7812110180*	50-295 B		7811210311*	50-2
	7812110181	50-254 B		7811210378	50-2
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	7812110183*	50-254 B		7811240163	50-2
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7810200064	50-3	R
7810200064	50-3	R
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7810230150*	50-247	R
7810240108	50-3	P
7810240108	50-3	P
7810240108	50-3	P
7811060238*	50-3	Q
7811070120	50-3	P
7811070157	50-247	P
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7811070274	50-247	F
7811140255*	50-3	Q
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7811200181	50-3	F
7811210340	50-3	R
7811210340	50-3	R
7811210344*	50-3	R
7811220076	50-3	J
7811220076	50-3	J
7811220153	50-3	R
7811220153	50-3	R
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7812040229	50-247	S
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7812070180	50-3	P
7812070180	50-3	P
7812070182*	50-3	P
7812070182*	50-3	P
7812070182*	50-3	P
7812070182*	50-3	P
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7812190180*	50-3	P
7812190180*	50-3	P
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7812210207	50-3	R
7812210211*	50-3	R
7812210211*	50-3	R
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7812270188	50-3	R
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7810110104	50-155	B
7810110106*	50-155	B
7810110111	50-255	P
7810110119	50-255	R
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7810110164	50-155	P
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7810160097	50-155	P
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7810160196	50-329	Q
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7810170248*	50-255	B
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7810230192	50-329	K
7810230196*	50-329	K
7810230196*	50-329	K
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7810230096	50-155	B
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7810230100*	50-329	A
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	7812280135*	50-369 K		7812280329	50-387
	7812290209	50-287 S		7810140048*	50-213
	7812290214*	50-287 S	Fitchburg Gas & Electric Light Co. Fleischaker, D. B.	7810310273	50-568
	7812290218*	50-287 S		7810310281*	50-568
	7811160036	50-592 M		7810310286*	50-568
	7810100030	50-334 S		7811140138	50-445
	7810100034*	50-334 S	Florida Power & Light Co.	7811220139	50-568
	7810100084	50-334 S		7811240167	50-466
	7810110144	50-334 P		7812010243	50-390
	7810160114	50-334 R		7812050174	50-582
	7810160116*	50-334 R	Fitchburg Gas & Electric Light Co. Fleischaker, D. B.	7812060157*	50-437
	7810180072	50-334 P		7812280026*	50-230
	7810200047	50-334 P		7812280040*	50-280
	7810200050*	50-334 P		7812290268*	50-586
	7810200100	50-334 P	Evergreen Legal Services	7811100128	50-582
	7810270189*	50-334 Q		7811200144	50-582
	7810270195	50-334 P		7810270108	50-277
	7811030107	50-334 P		7811130179	50-564
	7811030164	50-334 S	Fitchburg Gas & Electric Light Co. Fleischaker, D. B.	7811130249*	50-564
	7811030169	50-334 R		7811070148*	50-443
	7811070377*	50-412 S		7810190257	50-275
	7811070378*	50-412 S		7810190257	50-275
	7811130218	50-334 S	Florida Power & Light Co.	7810190262*	50-275
	7811130220*	50-334 S		7810190262*	50-275
	7811160109	50-334 R		7810190267*	50-275
	7811160111*	50-334 R		7810190267*	50-275
	7811170172	50-334 S	Fitchburg Gas & Electric Light Co. Fleischaker, D. B.	7810190269*	50-275
	7811170178*	50-334 S		7810190269*	50-275
	7811170214	50-334 S		7810270294	50-275
	7811170219	50-334 S		7810270294	50-275
	7811170221	50-334 S	Florida Power & Light Co.	7810270294	50-275
	7811170234*	50-334 S		7810300128	50-275
	7811280458*	50-412 S		7810300128	50-275
	7811300243*	50-334 Q		7811130314	50-275
	7812060162	50-334 P	Florida Power & Light Co.	7810100091	50-335
	7812110128	50-334 R		7810100092*	50-335
	7812110132*	50-334 R		7810100093*	50-335
	7812120143	50-334 S		7810100094*	50-335
	7812120148*	50-334 S	Florida Power & Light Co.	7810100097*	50-335
	7812140109	50-334 F		7810100102*	50-335
	7812180180	50-334 S		7810110077	50-335
	7812180184*	50-334 S		7810110121	50-335
	7812190144	50-334 F	Florida Power & Light Co.	7810110123	50-281
	7812210215	50-334 P		7810110159	50-280
	7812220071	50-334 P		7810110251*	50-250
	7812220214	50-334 P		7810110251*	50-250
	7812220216*	50-334 P	Florida Power & Light Co.	7810120022	50-250
	7812290216	50-334 S		7810120022	50-250
	7812290222	50-334 S		7810120023*	50-250
	7812290223*	50-334 S		7810120023*	50-250
	7812290226*	50-334 S	Florida Power & Light Co.	7810120028	50-250
	7812290227*	50-334 S		7810120049	50-335
	7812290233*	50-334 S		7810120050	50-251
	7810230375	50-206 A		7810120051*	50-335
	7810230375	50-206 A	Florida Power & Light Co.	7810120052*	50-251
	7810230375	50-206 A		7810120052*	50-251
	7810230375	50-206 A		7810120052*	50-251
	7810230375	50-206 A		7810120052*	50-251

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY	7811300190*	50-335	Q
			7812010043	50-250	Q
			7812010100	50-250	Q
	7810120075	50-250 F			
	7810120081*	50-250 F	7812010100	50-250	Q
	7810120081*	50-250 F	7812010119*	50-250	Q
	7810170191*	50-250 F	7812010119*	50-250	Q
	7810170243	50-335 S	7812010128*	50-250	Q
			7812010128*	50-250	Q
	7810170245*	50-335 S			
	7810180115	50-335 J	7812040187	50-250	S
	7810200045	50-250 P	7812040189*	50-250	S
	7810200093	50-251 S	7812040221	50-251	S
	7810200096*	50-251 S	7812040222*	50-251	S
			7812050131	50-335	S
	7810200114	50-251 S			
	7810200117*	50-251 S	7812050133*	50-335	S
	7810200188	50-250 Q	7812050176	50-251	S
	7810200252	50-335 Q	7812050181*	50-251	S
	7810230032*	50-335 Q	7812050195	50-335	S
			7812050198*	50-335	S
	7810230140	50-250 J			
	7810230140	50-250 J	7812050240	50-250	Q
	7810230166	50-335 S	7812060356	50-389	Q
	7810230169*	50-335 S	7812080200	50-335	S
	7810230250	50-251 S	7812120145	50-389	A
			7812120239*	50-250	Q
	7810230253*	50-251 S			
	7810230329	50-335 Q	7812140146	50-251	P
	7810240071*	50-250 Q	7812140150	50-250	P
	7810240075*	50-250 Q	7812140150	50-250	P
	7810240088	50-389 A	7812140152*	50-251	P
			7812140195	50-335	Q
	7810260007*	50-250 Q			
	7810260070	50-389 Q	7812180138	50-250	Q
	7810270182	50-250 P	7812180141*	50-250	Q
	7810270182	50-250 P	7812180316*	50-335	Q
	7810300107	50-250 J	7812190235	50-250	Q
			7812210068	50-250	Q
	7810300107	50-250 J			
	7810310002	50-335 F	7812210068	50-250	Q
	7810310121	50-250 F	7812210138	50-335	Q
	7810310121	50-250 F	7812210196	50-251	P
	781030168*	50-250 Q	7812270187	50-250	P
			7812270190	50-250	F
	7811030168*	50-250 Q			
	7811030226	50-335 Q	7812270195	50-250	P
	7811040095	50-335 P	7812270267	50-335	P
	7811040142	50-250 S	7812270275*	50-335	P
	7811040144	50-250 S	7812270307	50-251	S
			7812270312*	50-251	S
	7811040148*	50-250 S			
	7811040152*	50-250 S	7812280019	50-250	P
	7811040157	50-251 S	7812280139	50-250	P
	7811040163*	50-251 S	7812280339*	50-250	Q
	7811070144	50-250 I	7812290147	50-335	P
			7810110097	50-302	P
	7811070144	50-250 I			
	7811070144	50-250 I	7810110116	50-302	S
	7811070180	50-250 P	7810110120*	50-302	S
	7811070180	50-250 P	7810110131	50-302	S
	7811070309	50-250 Q	7810110132*	50-302	S
			7810110170	50-302	S
	7811080148	50-251 S			
	7811080150*	50-251 S	7810110173*	50-302	S
	7811080208	50-335 S	7810130130	50-302	P
	7811080217*	50-335 S	7810160081	50-302	R
	7811090242	50-335 S	7810160094*	50-302	R
			7810170249	50-302	S
	7811090246*	50-335 S			
	7811100083*	50-250 Q	7810170252*	50-302	S
	7811100083*	50-250 Q	7810180105	50-302	S
	7811130221	50-250 F	7810180107*	50-302	S
	7811140219	50-335 P	7810180110	50-302	S
			7810180111*	50-302	S
	7811160107	50-335 P			
	7811160139	50-250 P	7810180147	50-302	S
	7811160142*	50-250 P	7810180152*	50-302	S
	7811160142*	50-250 P	7810180153	50-302	S
	7811210188	50-250 Q	7810180155*	50-302	S
			7810200152	50-302	S
	7811210188	50-250 Q			
	7811210327	50-335 P	7810200158*	50-302	S
	7811210328	50-335 P	7810200160	50-302	P
	7811210338	50-250 P	7810240118	50-302	S
	7811210338	50-250 P	7810240124*	50-302	S
			7810240160	50-302	S
	7811210338	50-250 P			
	7811220002	50-335 Q	7810240162*	50-302	S
	7811220201	50-250 S	7810270165	50-302	P
	7811220203*	50-250 S	7810310136	50-302	S
	7811240007*	50-335 Q	7810310141*	50-302	S
			7810310164	50-302	S
	7811240025	50-250 Q			
	7811240209	50-335 P	7810310169*	50-302	S
	7811270161	50-250 P	7811010299	50-302	P
	7811270161	50-250 P	7811070136	50-302	S
	7811280228	50-250 P	7811070139*	50-302	S
			7811070204	50-302	S
	7811280228	50-250 P			
	7811290229	50-335 S			
	7811290235*	50-335 S			
	7811290320	50-389 Q			
	7811300004*	50-335 Q			

Florida Power Corp.

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY
	7811070308*	50-302 S		7811200392*	50-275
	7811070326*	50-302 S		7811210231*	50-344
	7811070335*	50-302 S		7811210267	50-220
	7811080165	50-302 P		7811270099*	50-155
	7811100021*	50-302 G		7812010248	50-447
	7811130181	50-302 P		7812010249*	50-447
	7811140109	50-302 P		7812040018*	50-556
	7811140123	50-302 J		7812050220	50-447
	7811140136	50-302 S		7812050221*	50-447
	7811140140*	50-302 S		7812050231*	50-239
	7811170103	50-302 F		7812080131	50-70
	7811200184	50-302 R		7812110113	50-447
	7811200187*	50-302 R		7812110113	50-447
	7811240074*	50-302 G		7812110113	50-447
	7811240216	50-302 P		7812110116*	50-447
	7811280268	50-302 R		7812110116*	50-447
	7811280271*	50-302 R		7812110116*	50-447
	7811280303	50-302 S		7812110272	50-277
	7811280307*	50-302 S		7812110274*	50-277
	7812010246	50-302 S		7812110277*	50-277
	7812010247*	50-302 S		7812120082*	50-333
	7812040199	50-302 P		7812130132	50-447
	7812050067*	50-302 G		7812140121	50-70
	7812140127	50-302 F		7812140176	50-219
	7812160150	50-302 S		7812180401*	50-70
	7812180155*	50-302 S		7812180435	50-30
	7812200176	50-302 R		7812210331	50-70
	7812200178	50-302 S		7812270162	50-447
	7812200179*	50-302 R		7812270172	50-447
	7812200181*	50-302 S		7812270172	50-447
	7812200270	50-302 S		7812280099	50-447
	7812200273*	50-302 S		7812280100*	50-447
	7812200284	50-302 S		7812280275	50-70
	7812210337*	50-302 G	General Physics Corp.	7810200130	50-341
	7812220081	50-302 S	General Public Utilities - GPU Service Corp.	7810120068	50-219
	7812220084*	50-302 S			
	7812220102	50-302 S		7810240132	50-219
	7812220105*	50-302 S		7810300148	50-219
	78122270239	50-302 S		7810300153*	50-289
	78122270243*	50-302 S		7810300157*	50-219
				7811060092	50-320
	7812270291	50-302 S			
	7812270293*	50-302 S		7812010127	50-146
Florida State Univ.	7810240005*	50-437 A	Georgia Power Co.	7810100039	50-321
Florida, State of	7812270166	50-250 H		7810100039	50-321
Florida, Univ. of, Gainesville	7810110196*	50-83 G		7810100045*	50-321
				7810100045*	50-321
	7810180081	50-83 P			
	7812060149	50-83 P		7810110089	50-321
Fontana, L.	78111080180	50-382 A		7810110135	50-366
Ford Bacon & Davis Utah, Inc.	7810170056	50-201 P		7810130043	50-366
	7811200221*	50-201 P		7810130092	50-321
				7810130092	50-321
Friends of the Earth	7810190193	50-70 G			
	781023008A	50-70 G		7810160104	50-321
	7812040348	50-70 G		7810160104	50-321
	7812110278	50-70 G		7810170141	50-321
	7812210512	50-70 G		7810170142	50-366
				7810170166	50-366
Ft. Collins, CA	7812150279	50-346 M			
Gage-Babcock Associates, Inc.	7812270102*	50-275 F		7810170170*	50-366
General Atomic Co. (subs. of Gulf Oil Co.)	7810270107*	50-163 A		7810170226	50-366
				7810170230*	50-366
	7811130200	50-267 P		7810170233	50-321
	7811240222	50-267 H		7810170236	50-366
	7811240234*	50-267 S		7810170238*	50-366
	7812190143	50-89 F		7810170253	50-366
General Atomic Co. (subs. of Gulf Oil Corp.)	7810270104	50-163 S		7810170256	50-321
				7810170258*	50-366
	7811060115	50-237 P		7810170261*	50-321
General Electric Co.	7810110163	50-70 P			
				7810170291	50-321
	7810170114*	50-333 P		7810170298*	50-321
	7810180108	50-447 A		7810170309	50-366
	7810300138*	50-447 A		7810170311	50-366
	7810300138*	50-447 A		7810170312	50-366
	7810300138*	50-447 A			
				7810170313*	50-366
	7810310187	50-447 A		7810170314*	50-366
	7810310187	50-447 A		7810170315*	50-366
	7810310187	50-447 A		7810170318	50-366
	7811030236	50-70 G		7810170321*	50-366
	7811060182	50-556 G			
				7810170322	50-366
	7811060122	50-556 G		7810170326*	50-366
	78111070115	50-70 P		7810170329	50-321
	78111070340	50-556 G		7810180001	50-366
	78111070340	50-556 G		7810180003*	50-366
	78111080008*	50-275 A			
				7810180010	50-321
	7811130177	50-18 P		7810180011*	50-321
	7811170157	50-552 A		7810180014*	50-321
	7811200384*	50-275 A		7810180019	50-366

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR AFFILIATION	ACCESSION NUMBER
	7810180020	50-366 S		7811220026
	7810180022*	50-366 S		7811220028*
	7810180023	50-366 S		7811220034
	7810180024*	50-366 S		7811220034
	7810180026*	50-366 S		7811240061
	7810180029	50-321 S		7811240061
	7810180031	50-366 S		7811280006
	7810180033*	50-366 S		7811280006
	7810180037	50-366 S		7811280217
	7810180039*	50-366 S		7811280220*
	7810180112	50-321 S		7811280222
	7810180114*	50-321 S		7811280223
	7810180116	50-366 S		7811280223
	7810180118*	50-366 S		7811280224*
	7810180120	50-366 S		7811280235
	7810180122*	50-366 S		7811280242*
	7810230175	50-321 S		7811280288
	7810230176*	50-321 S		7811280293*
	7810230188	50-366 S		7811300192
	7810230190*	50-366 S		7812060343
	7810230206	50-366 S		7812060392
	7810240110	50-321 P		7812070033
	7810270101	50-366 P		7812070035
	7810310117	50-321 S		7812070038
	7810310146	50-321 S		7812070082
	7810310150*	50-321 S		7812070082
	7810310151	50-366 S		7812080098
	7810310154*	50-366 S		7812150287
	7810310157	50-321 S		7812150294*
	7810310160	50-321 S		7812150334
	7810310162*	50-321 S		7812150347*
	7810310165	50-321 S		7812180133
	7810310168*	50-321 S		7812180162
	7810310171*	50-321 S		7812180164
	7810310173	50-366 S		7812180165
	7810310181*	50-366 S		7812180167*
	7810310182*	50-321 S		7812180169*
	7810310203	50-366 S		7812180170*
	7810310214*	50-366 S		7812180179
	7811010062	50-321 P		7812180182
	7811020162	50-424 Q		7812180183*
	7811020044	50-424 Q		7812180186*
	7811060131	50-321 S		7812180198
	7811060133	50-321 S		7812180201
	7811060138*	50-321 S		7812180202*
	7811060140*	50-321 S		7812180205*
	7811060150	50-366 S		7812180214
	7811060183*	50-366 S		7812180217*
	7811080162	50-424 A		7812180220
	7811080162	50-424 A		7812180223*
	7811100168*	50-321 Q		7812180231
	7811130261*	50-321 Q		7812180234*
	7811130261*	50-321 Q		7812260154
	7811140156	50-321 S		7812260156*
	7811140162*	50-321 S		7812270266
	7811140198	50-366 S		7812270273*
	7811140204*	50-366 S		7812270274
	7811140209	50-366 S		7812270280
	7811140211*	50-366 S		7812270285*
	7811140245	50-366 S		7812270293
	7811140254*	50-366 S		7812270296
	7811150093	50-321 P		7812270314
	7811160066	50-321 R		7812270313
	7811160068*	50-321 R		7812270317*
	7811160106	50-366 R		7812270318*
	7811160110*	50-366 R		7812270319
	7811170205	50-321 J		7812270321*
	7811200173	50-424 A		7812270325
	7811200259*	50-424 A		7812270326
	7811200259*	50-424 A		7812270329*
	7811210217	50-424 A		7812270331*
	7811210217	50-424 A		7812280069*
	7811210226*	50-424 A		7812280286
	7811210238	50-366 S		7812290139
	7811210243*	50-366 S		7812290145
	7811210246	50-366 S		7812290145
	7811210253*	50-366 S		7812290152*
	7811210342	50-321 S		7812290152*
	7811210346*	50-321 S		7810230104
	7811210351	50-366 S		7811080030*
	7811210361	50-321 S		7811080033*
	7811210366*	50-321 S		7811240125
	7811210370*	50-366 S		7811240128*
	7811210398	50-366 S		7812190103
	7811210404*	50-366 S		7812290138

Georgia, State of
Gibbs & Hill, Inc. (subs. of Dravo Corp.)

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY
Gilbert/Commonwealth Cos.	7812290143*	50-584 A
	7812180226	50-595 F
	7812180232*	50-595 F
Gordon, Walter J	7810110025	50-269 P
Graham, R L	7811160050	50-367 Q
Green Bay Packing, Inc.	7810160017	50-303 Q
Green, Feldman, Hall & Woodard	7810230075	50-556 Q
	7811130232	50-556 Q
	7811240063	50-556 Q
	7811270193	50-556 Q
	7812110215	50-556 Q
	7812130193	50-556 Q
Gulf States Utilities Co	7810110272*	50-458 Q
	7811070246	50-510 A
	7811070252*	50-510 A
	7812260148	50-458 A
	7812260148	50-458 A
	7812260148	50-458 A
	7812260166	50-458 A
	7812260166	50-458 A
Hanford Conversion Project	7812260170*	50-458 A
	7811100018	50-397 Q
	7812040072	50-397 Q
	7812040084*	50-397 Q
Harvard Univ.	7810160013*	50-471 A
Hazleton Environmental Sciences Corp.	7812010122	50-298 P
Hetzl, W C	7811220198	50-752 Q
House of Rep.	7810110268	50-70 Q
	7810110271	50-70 Q
	7810230042*	50-275 A
	7810230084	50-70 Q
	7810300272	50-556 Q
	7811070355*	50-70 P
	7811130246	50-70 Q
	7811290297	50-70 Q
	7811300100	50-338 A
	7811300100	50-338 A
	7812010046*	50-471 Q
	7812050044*	50-213 U
	7812060216	50-338 H
	7812060216	50-338 H
	7812180229	50-70 H
	7812180289	50-275 H
	7812210171	50-70 Q
Houston Lighting & Power Co.	7810110294	50-466 Q
	7810120024	50-498 K
	7810120024	50-498 K
	7810120041	50-498 A
	7810120041	50-498 A
	7810140062*	50-498 K
	7810140159	50-466 Q
	7810300088	50-498 A
	7810310179*	50-498 H
	7811010144	50-498 A
	7811020387*	50-498 Q
	7811020387*	50-498 Q
	7811020393*	50-498 Q
	7811020393*	50-498 Q
	7811020393*	50-498 Q
	7811030214	50-498 B
	7811090106	50-498 B
	7811160131	50-498 A
	7811170090*	50-466 Q
	7811240114	50-498 C
	7811240114	50-498 C
	7811240116*	50-498 C
	7811240116*	50-498 C
	7811240116*	50-498 C
	7811300216	50-498 B
	7811300382*	50-498 Q
	7812040127*	50-498 Q
	7812040301	50-466 Q
	7812040302*	50-466 Q
	7812050200	50-466 B
	7812050203*	50-466 B
	7812190147	50-498 A
	7812210029*	50-498 Q
	7812280151	50-466 B
	7812280152*	50-466 B
	7811070150*	50-443 I
Hudson Light & Power Dept.	7810160201	50-322 Q
Huntton & Williams	7810190223	50-450 Q
	7810200039*	50-516 Q
	7810200039*	50-516 Q
	7810220130	50-322 Q
	7810240038	50-516 Q
	7810240038	50-516 Q

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY
	7810240042	50-511 Q
	7810270394	50-522 A
	7811130433	50-450 Q
	7811200307	50-516 Q
	7811290087	50-516 Q
	7812080171	50-338 Q
	7812110281	50-322 Q
	7812130212	50-463 Q
	7812210306	50-247 Q
	7812210311*	50-247 Q
	7812260307	50-247 Q
	7812280333	50-322 Q
Idaho State Univ.	7812070202	50-284 P
	7812070204*	50-284 P
Ihrig, R.	7810190202	50-484 Q
	7810197220*	50-484 Q
	7810300367	50-484 Q
Illinois Power Co.	7810110057*	50-461 Q
	7812080228	50-461 Q
	7812260141	50-461 A
	7811130202	50-295 Q
	7811240022	50-295 Q
	7812050047	50-295 Q
	7812050047	50-295 Q
	7812050051*	50-295 Q
	7812050051*	50-295 Q
	7812050051*	50-295 Q
	7812080026	50-249 P
	7812180211	50-295 Q
	7810100024	50-315 B
	7810100044	50-316 B
	7810100064*	50-316 B
	7810100068*	50-316 B
	7810110080	50-315 P
	7810110154	50-315 B
	7810110188	50-316 B
	7810110192*	50-315 B
	7810180002	50-316 B
	7810180004*	50-316 B
	7810180005*	50-316 B
	7810180016	50-316 B
	7810180018*	50-316 B
	7810180027	50-316 B
	7810180030*	50-316 B
	7810180032*	50-316 B
	7810180106	50-315 B
	7810180109*	50-315 B
	7810180159*	50-315 B
	7810200053	50-316 R
	7810200056*	50-316 R
	7810230177	50-316 B
	7810230183*	50-316 B
	7810230185*	50-316 B
	7810230198	50-315 B
	7810230202*	50-315 B
	7810230242	50-316 P
	7810250117*	50-315 B
	7810270191	50-315 B
	7810270193*	50-315 B
	7810270309	50-315 B
	7810270314*	50-316 B
	7810310090	50-315 P
	7810310090	50-315 P
	7810310145	50-315 B
	7810310155*	50-316 B
	7810310190	50-316 B
	7810310199*	50-316 B
	7810310204	50-315 P
	7810310204	50-315 P
	7811020252	50-315 B
	7811030103	50-315 P
	7811090151	50-316 B
	7811090153*	50-316 B
	7811090156*	50-316 B
	7811090225	50-315 B
	7811140154	50-315 B
	7811140210	50-316 B
	7811140218*	50-316 B
	7811140226*	50-316 B
	7811140232*	50-316 B
	7811170204	50-315 B
	7811210260	50-315 B
	7811210265*	50-315 B
	7811210271	50-315 B
	7811210278*	50-315 B
	7811210383	50-315 B

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR AFFILIATION	ACCESSION NUMBER
	7811210391*	50-315 R		7810240112
	7811210437	50-316 R		7810310220
	7811210438*	50-316 R		7810310227*
	7811240172*	50-315 S		7811070121
	7811240173*	50-315 S		7811080002
	7811240174*	50-315 S		7811170159
	7811270069	50-315 S		7811210090
	7811270080*	50-315 S		7811210354
	7811270171	50-315 P		7811210390
	7811290126	50-316 F		7811210394
	7811290247	50-315 K		7811270148
	7811290247	50-315 K		7811270150
	7811290251*	50-315 K		7811270160
	7811290251*	50-315 K		7811270202
	7811300177	50-316 S		7811280036
	7811300181*	50-316 S		7811280204
	7811300185*	50-316 S		7811280206*
	7811300188*	50-316 S		7811280237
	7811300193*	50-316 S		7811290258
	7812010210	50-316 S		7812050132
	7812070216	50-315 P		7812050156
	7812070216	50-315 P		7812110106
	7812080061	50-316 S		7812130136
	7812080068*	50-316 S		7812130140*
	7812080070*	50-316 S		7812130145*
	7812080075	50-315 S		7812190137
	7812080086	50-316 S		7812190139*
	7812080087*	50-315 S		7812270297
	7812080089*	50-316 S		7812270301*
	7812080119	50-316 S		7812290130
	7812080120*	50-316 S	Iowa State Univ.	7811060073
	7812080122*	50-316 S		7811060074*
	7812110137	50-315 R	Iowa-Illinois Gas & Electric	7810250111
	7812120162	50-315 S		7812060166
	7812120167*	50-315 S		7812200188
	7812120178	50-316 S		7810110309
	7812120186*	50-316 S		7810120112
	7812120384	50-315 P		7810160202
	7812180207	50-316 S		7810190131
	7812180212*	50-316 S		7810190216
	7812200173	50-315 R		7810250021
	7812200174*	50-315 R		7810260199
	7812200203	50-316 R		7810300311
	7812200205*	50-316 R		7811010433
	7812260198	50-315 K		7811020467
	7812260198	50-315 K		7811130060
	7812260242	50-315 P		7811130060
	7812270178	50-315 P		7811130252
	7812270178	50-315 P		7811140047
	7812270181*	50-315 P		7811140047
	7812270220	50-315 S		7811200070
	7812270226*	50-315 S		7811210036
	7812270352	50-316 S		7811210107
	7812270355*	50-316 S		7811240076
	7812270260*	50-316 S		7812040014
	7812270264*	50-316 S		7812040235
	7812270268*	50-316 S		7812040235
	7812270272*	50-316 S		7812040311
	7812270277*	50-316 S		7812050281
	7812270282*	50-316 S		7812050347
	7812270286*	50-316 S		7812070008
	7812280145	50-316 P		7812070008
	7812290083	50-316 S		7812110107
	7812290179	50-315 P		7812120223
	7812290182	50-315 P		7812130122
	7812290185*	50-315 P		7812140078
	7812010153	50-546 A		7812140087
	7810110142	50-498 C		7812140087
	7810230134	50-274 P		7812140285
	7810240142	50-582 D		7812140362
	7810270134	50-568 A		7812140362
	7810310092	50-568 A		7812150029
	7811070123	50-568 A		7812180383
	7811090063	50-274 P		7812270010
	7811200109	50-546 P		7812270127
	7811220131	50-592 A		7812280338
	7812180431	50-70 P		7812280350
	7812200236	50-274 H		7812290013
	7810110141	50-331 S		7812290255
	7810110143	50-331 J		7810100070
	7810120047	50-331 P		7810100078*
	7810200061	50-331 R		7810110118
	7810200063*	50-331 R		7810120071
	7810230173	50-331 P		7810120076*
	7810240104	50-331 P		7810160115
Indiana, State of Interior, Dept. of				
Interior, Dept. of, Geological Survey				
Iowa Electric Light & Power Co.				
			Jersey Central Power & Light Co.	

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY
	7810160120*	50-219 P		7810300399	50-482
	7810160143	50-219 P		7811030217	50-482
	7810170200	50-219 R		7811160186*	50-482
	7810170240	50-219 P		7811160189*	50-482
	7810180006	50-219 S		7811170249*	50-482
	7810180007*	50-219 S		7812110271*	50-482
	7810230259	50-219 R		7812110276*	50-482
	7810230261*	50-219 R		7812110282*	50-482
	7810240105	50-219 S		7812200348	50-482
	7810240107*	50-219 S		7812200349*	50-482
	7810270094	50-219 R	Kansas State Univ.	7810110029	50-188
	7811030114	50-219 P	Kansas, Univ. of	7811170293*	50-148
	7811070105	50-219 S		7812060319*	50-148
	7811070304	50-219 P	Keiler & Buckley	7811010389*	50-524
	7811080100	50-219 S	Kudzu Alliance	7811140034	50-400
	7811080189*	50-363 G		7811290J59	50-400
	7811080234*	50-219 G		7812140114*	50-400
	7811080258*	50-219 G		7812220121	50-400
	7811200160	50-219 P	Lake County, OH	7811160160*	50-440
	7811200164*	50-219 P	Lakeshore Citizens for Safe Energy	7811200268	50-266
	7811200204	50-219 S		7811200273	50-266
	7811200207*	50-219 S		7812110306	50-303
	7811210239	50-219 R		7812140359	50-266
	7811210241*	50-219 R		7812140359	50-266
	7811210321	50-219 S		7812140368*	50-266
	7811210324*	50-219 S		7812140368*	50-266
	7811220129	50-219 P		7812270452	50-266
	7811240194	50-219 F	LeBoeuf, Lamb, Leiby & MacRae	7810140028	50-452
	7811280193	50-219 S		7810160108	50-244
	7811280196*	50-219 S		7810180148	50-244
	7811280262	50-219 P		7810190068	50-244
	7812010131*	50-219 G		7810230238	50-244
	7812070218	50-219 S		7810280080	50-285
	7812070220*	50-219 S		7810270368	50-341
	7812070288*	50-219 G		7810270387*	50-341
	7812110093	50-219 S		7810270406*	50-341
	7812110097*	50-219 S		7811010136	50-346
	7812120123	50-219 S		7811060099	50-283
	7812120127*	50-219 S		7811060241	50-483
	7812120133	50-219 S		7811130399	50-548
	7812120136*	50-219 S		7811210293	50-341
	7812180161*	50-363 G		7811240102	50-220
	7812180204	50-219 S		7812040283	50-483
	7812180208*	50-219 S		7812050340	50-341
	7812190105	50-219 S		7812220002	50-341
	7812190107*	50-219 S		7812220113	50-244
	7812200180	50-219 R		7812240014	50-247
	7812200182*	50-219 R		7812240202	50-341
	7812200236	50-219 S		7812270138	50-247
	7812200240*	50-219 S	League of Women Voters of Lancaster Co., PA	7811220141	50-463
	7812270185	50-219 P			
	7812270316	50-219 S			
	7812270323*	50-219 S	League of Women Voters of Suffolk Co., NY	7811220172	50-463
	7812280231	50-219 S	Lead, R.M.	7811020077	50-516
	7812280236*	50-219 S		7811300400	50-522
	7812290089	50-219 S		7812080165	50-522
	7812290097*	50-219 S		7812110199	50-522
	7812290213	50-219 S	Long Island Lighting Co.	7810100017	50-322
	7812290219*	50-219 S		7810180074	50-322
	7810200120	50-498 M		7810200091	50-322
				7810230133*	50-322
				7810230274	50-516
	7810240214	50-498 M			
	7810270354*	50-344 G		7810270190	50-322
	7811200050	50-498 M		7811140234*	50-322
	7811200103	50-389 M		7811280044	50-322
	7812040032	50-346 M		7812070115*	50-322
				7812140166	50-322
	7812040260	50-389 M		7812260126	50-322
	7812130235	50-389 M		7812260129*	50-322
	7812140209	50-346 M		7812260136	50-322
	7812140280	50-498 M		7812260139*	50-322
	7812180410	50-498 M		7812260196	50-322
	7812180410	50-498 M			
	7812180412	50-498 M		7812260211	50-322
	7812180412	50-498 M		7812260215	50-322
	7812260137	50-443 M		7812260221	50-322
	7812280177	50-498 M		7812270478*	50-322
				7812290238*	50-322
Justice, Dept. of, Attorney General's Office	7810140023	50-344 P			
			Leoney, Nichols, Johnson & Hayes	7811080225	50-445
KMC, Inc.	7811290304*	50-70 G	Los Alamos Scientific Laboratory	7811170297	50-266
Kaplan, R.J.	7810210210*	50-272 F		7811220012	50-358
	7810200136	50-349 G		7812140105	50-322
	7810270285	50-349 G	Louisiana Power & Light Co.	7810101015	50-382
Kefauver & Hagan	7812180406	50-549 G		7811010004	50-382
Kansas Gas & Electric Co.	7811140027	50-344 G		7811010033*	50-382
	7810250031*	50-482 G		7811170086*	50-382
	7810270320	50-482 A		7811300233	50-382

AFFILIATION	NUMBER	CATEGORY	AFFILIATION	NUMBER
	7812050182	50-382 A		7812010216
	7812110155	50-382 M		7812150355
	7812110230*	50-382 Q		7812150397
	7812120115	50-382 B		7812200213
	7812130152	50-382 B		7812200217
	7812190092	50-382 A		7812200220
	7812200133	50-382 A		7812200252
	7812200135*	50-382 A		7812200254
	7812200242	50-382 C	Mapleton Intervenor	7811010014
	7812200245*	50-382 C		7811010016
	7812200248	50-382 M		7811010016
	7812200250*	50-382 M		7811010039
	7812290175	50-382 P		7811210040
Lowell, Univ. of	7811020177*	50-223 Q		7811210040
	7812070035	50-223 P	Marsh & McLennan, Inc., M & M Nuclear Consultants, Inc. Div.	7811240044
Lowenstein, Newman, Reis, Axelrad & Toll	7810130091	50-466 Q		
	7810130195	50-466 Q	Maryland, State of	7812260286
	7810140017	50-498 M	Massachusetts Institute of Technology	7812060185
	7810140019	50-344 Q	Massachusetts Municipal Wholesale Co.	7812080093
	7810200003	50-344 Q	Massachusetts, State of	7811070153
	7810230324	50-344 Q		7810110109
	7810270322	50-498 Q		7810110310
	7810270386	50-344 Q		7810230197
	7811020041	50-376 Q		7810300257
	7811020047*	50-376 Q		7811160126
	7811080021	50-498 M		7811200146
	7811080054	50-466 Q		
	7811130259	50-389 M	Matthews, Nowlin, MacFarlane & Barrett	7812010044
	7811130404	50-398 M		7810230007
	7811130431	50-389 M		7812130104
	7812040024	50-466 Q	McCutchen, Doyle, Brown & Emerson	7812280176
	7812040028	50-344 Q		7812130034
	7812040031*	50-344 Q	Means, Donald S.	7811130128
	7812040274	50-466 Q	Metford & Dattilo	7810230229
	7812040329	50-466 Q	Metropolitan Edison Co.	7810100046
	7812040331	50-466 Q		7810100076
	7812040333	50-466 Q		7810100080
	7812040343	50-466 Q		
	7812040350	50-466 Q		7810100088
	7812040367	50-498 Q		7810100090
	7812050037	50-466 Q		7810100095
	7812050046	50-466 Q		7810100099
	7812070058	50-466 Q		7810110082
	7812110256	50-466 Q		
	7812120048	50-466 Q		7810110083
	7812120224	50-466 Q		7810110130
	7812130020	50-466 Q		7810110134
	7812130026	50-466 Q		7810110149
	7812130219	50-466 Q		7810170147
	7812180258	50-443 M		
	7812180438	50-344 Q		7810170149
	7812270403	50-498 M		7810180132
	7812270410	50-389 M		7810180145
	7812270483	50-344 Q		7810180168
	7812280266	50-344 Q		7810180171
	7812280269	50-498 M		
	7812280308	50-582 Q		7810180174
	7812210521	50-275 Q		7810190001
	7811070169*	50-443 I		7810240097
	7810110171	50-309 P		7810240119
	7810120066	50-309 J		7810240120
	7810170150	50-309 R		7810240125
	7810170151*	50-309 R		7810240129
	7810180137	50-309 P		7810240131
	7810190056	50-309 P		7810240134
	7810230137	50-309 J		
	7810230153	50-309 P		7810300137
	7810260160	50-29 P		7810310184
	7810270077	50-309 P		7810310192
	7811030131	50-309 B		7811070101
	7811030135*	50-309 B		7811070135
	7811030137	50-309 B		
	7811030140*	50-309 B		7811070191
	7811140112	50-309 R		7811080204
	7811140166*	50-309 R		7811090048
	7811150091	50-309 P		7811090054
	7811150093*	50-309 Q		7811090114
	7811220200	50-309 B		
	7811220202*	50-309 B		7811090171
	7811220213	50-309 B		7811090174
	7811220217*	50-309 B		7811090247
	7811270086	50-309 P		7811090278
	7811290243	50-309 P		
	7812010093*	50-309 Q		7811140103
	7812010214	50-309 Q		7811140172
				7811150145
				7811150161
				7811160145
				7811210184
				7811210186
				7811210332
				7811210336

	7811210380	50-320	R	Morgan, Lewis & Bockius	7810140029	50-409
	7811210384*	50-320	R		7810140104	50-409
	7811240110	50-289	P		7811080329	50-356
	7811240110	50-289	P		7811160167	50-409
	7811270155	50-320	F		7811210451	50-70
	7811280243	50-289	P		7811300036	50-70
	7812050098	50-289	P	N.M. Neumark Consulting Engineering	7812040321	50-275
	7812060161	50-289	P	Services		
	7812060168	50-289	F	NUS Corp.	7811130336	50-341
	7812060171	50-320	B		7811150127	50-592
	7812060177*	50-320	B	National Lawyers Guild, Houston Chapter	7811020169	50-466
	7812070203	50-320	P		7811020176*	50-466
	7812070206*	50-320	P		7811020181*	50-466
	7812080090	50-289	P	Natural Resources Defense Council	7810120088	50-369
	7812110146	50-289	B		7810300063	50-237
	7812120092	50-289	H		7810300268	50-437
	7812130195	50-320	B		7811130391*	50-220
	7812130197*	50-320	B		7811150223	50-237
	7812180187	50-320	P		7811150227	50-437
	7812190096	50-320	P		7812110070	50-437
	7812190113	50-289	F		7812110074*	50-437
	7812190132	50-320	R		7812260002	50-247
	7812190134*	50-320	R		7812270036	50-437
	7812190166	50-289	R		7812280271	50-237
	7812190170*	50-289	R		7812280280*	50-237
	7812200171	50-289	G	Nebraska Public Power District	7810120037	50-298
	7812200275	50-320	B		7810170152	50-298
	7812200278*	50-320	B		7810170268	50-298
	7812260191	50-289	B		7810170299*	50-298
	7812260194*	50-289	B		7810230213*	50-298
	7812260259	50-320	B		7810300173	50-298
	7812260261*	50-320	B		7810300177*	50-298
	7812280116	50-320	G		7810300201	50-298
	7812290086	50-289	P		7810300229*	50-298
	7812290093	50-320	B		7811620253	50-298
	7812290129	50-289	P		7811080112*	50-298
	7812290131	50-320	P		7811140130	50-298
Miami, FL. Univ. of	7811160001	50-463	F		7811160113	50-298
Michigan, State of	7810190237*	50-255	R		7811160114*	50-298
	7810190240*	50-255	R		7811170210	50-336
	7811090159*	50-329	A		7811200115	50-298
	78111240190	50-329	A		7811270129*	50-298
	7812060152	50-329	G		7812040196	50-298
	7812260065	50-329	G		7812050135	50-298
	7812260065	50-329	G		7812050138*	50-298
	7812260067*	50-329	G		7812050144	50-298
	7812260067*	50-329	G		7812050145*	50-298
Michigan, Univ. of	7811080135	50-2	G		7812050166	50-298
Mid-America Coalition for Energy	7811160181	50-482	B		7812050170*	50-298
Alternatives	7811240184	50-329	A		7812060052*	50-298
Midland City, MI	7811240186	50-329	A		7812060148	50-298
	7811240188	50-329	A		7812130158	50-298
	7811240199	50-329	A		7812130160*	50-298
Midland County, MI	7810310061	50-329	A		7812130166	50-298
	7811240166	50-329	A		7812200259	50-298
	7811240185	50-329	A		7812200271	50-298
Minnesota Pollution Control Agency	7812260044	50-263	G		7812200274*	50-298
Minnesota, State of	7812260323	50-263	P		7812270328	50-298
	7812260328*	50-263	P		7812290197	50-298
Mississippi Power & Light Co.	7811150097	50-416	G	Neil, R. M.	7812290201*	50-298
	7811150164	50-416	F	Nepom & Ross	7811300219	50-338
	7811160073	50-416	A		7812040118	50-397
	7811160073	50-416	A	New Bedford Gas & Edison Light Co.	7811070171*	50-443
	7811170198	50-416	A	New England Coalition on Nuclear	7812150273*	50-443
	7812010223	50-416	K	Pollution	7812150283*	50-443
	7812010223	50-416	K	New England Legal Foundation	7811170173	50-368
	7812010229*	50-416	K		7810110078	50-368
	7812010329*	50-416	K	New England Power Co.	7811060097	50-368
	7812050191	50-416	A		7811080195	50-368
	7812060400	50-416	B		7811210364	50-368
	7812060400	50-416	B		7811240048*	50-29
	7812070179	50-416	B		7811280040	50-368
	7812120098	50-416	A		7812040151	50-368
	7812140133	50-416	G		7812080104	50-368
	7812270209	50-416	A	New Hampshire, State of	7810180077	50-443
	7812270209	50-416	A		7810230267	50-368
	7812270209	50-416	A		7810270167	50-443
	7812290133	50-416	A		7811130254	50-243
	7812290256	50-416	G	New Jersey, State of	7812010259	50-272
	7812290260	50-416	G		7812180233	50-254
	7812290260	50-416	G		7812270027	50-272
Missouri, Univ. of, Rolla	7810110079	50-186	J		7812140153	50-252
	7811060076	50-186	B	New Mexico, Univ. of	7811270077*	50-493
	7812290080	50-186	P	New York State Electric & Gas	7812290264	50-896
Montaup Electric Co.	7811070166*	50-443	I			

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY
	7812290264	50-596 A		7810160123*	50-245 S
	7812290265	50-596 F		7810160126	50-336 R
	7812290265	50-596 F		7810160130*	50-336 R
	7812290266	50-596 B		7810170140	50-245 P
	7812290266	50-596 B		7810170140	50-245 P
	7812290267*	50-596 A		7810170210	50-336 P
	7812290267*	50-596 A		7810200060	50-336 P
	7812290271*	50-596 B		7810200071	50-245 S
	7812290271*	50-596 B		7810200072*	50-245 S
	7812290275*	50-596 B		7810200087	50-245 R
	7812290275*	50-596 B		7810200088*	50-245 R
	7812290275*	50-596 B		7810230207	50-245 B
	7812290278*	50-596 B		7810230210*	50-245 B
	7812290278*	50-596 B		7810240099	50-245 P
	7812290278*	50-596 B		7810270203	50-245 P
New York, State Univ. of, Buffalo	7810300187	50-57 H		7810310073	50-245 P
New York, State of	7810120055	50-333 P		7810310077	50-336 Q
	7810240159	50-549 A		7811070196	50-336 P
Newport News Industrial Corp. (subs. of Newport News Shipbuilding & Dry Dock Co.)	7812210317	50-97 Q		7811080143	50-336 S
	7811220191*	50-220 P		7811080146*	50-336 B
Niagara Mohawk Power Corp.	7810100054	50-220 S		7811080155	50-336 S
	7810100059*	50-220 S		7811080161*	50-336 B
	7810110088	50-220 P		7811090132	50-423 S
	7810160119	50-220 R		7811090133*	50-423 S
	7810160121*	50-220 R		7811130193	50-213 P
	7810170188	50-220 F		7811140110	50-336 R
	7810260022*	50-220 Q		7811140113*	50-336 R
	7810300146	50-220 P		7811140155	50-213 P
	7811030141	50-220 S		7811140155	50-213 P
	7811070114	50-220 P		7811140167	50-245 B
	7811090155	50-220 S		7811140187	50-245 B
	7811090165*	50-220 S		7811140191*	50-245 S
	7811090206*	50-220 S		7811140202	50-336 B
	7811090271	50-220 S		7811140205*	50-336 S
	7811090273*	50-220 S		7811160089	50-245 B
	7811130319	50-220 S		7811160093*	50-245 S
	7811130400	50-220 S		7811160152	50-245 Q
	7811150041*	50-220 Q		7811170104	50-245 R
	7811150188*	50-220 Q		7811170115*	50-245 R
	7811210281	50-220 S		7811210178	50-496 A
	7811210283*	50-220 S		7811210183*	50-496 A
	7811210287*	50-220 S		7811210232	50-336 P
	7811210292*	50-220 S		7811210268	50-336 B
	7811210302	50-220 R		7811210275*	50-336 S
	7811210303*	50-220 R		7811210280	50-245 S
	7811220193*	50-220 P		7811210291*	50-245 S
	7811240103*	50-220 Q		7811240187	50-245 K
	7811290192	50-220 F		7811240187	50-245 K
	7812090148	50-220 P		7811240189*	50-245 B
	7812070192	50-410 S		7811240189*	50-245 B
	7812070219	50-410 A		7811270183	50-213 P
	7812120102	50-220 R		7811280295	50-336 S
	7812120103*	50-220 R		7811280300*	50-336 S
	7812140136	50-220 F		7812090153	50-336 S
	7812140149	50-220 S		7812090161*	50-336 S
	7812140154*	50-220 S		7812070184	50-245 S
	7812200194	50-220 P		7812080117	50-245 S
	7812200202	50-410 A		7812080118*	50-245 S
	7812270176	50-220 P		7812080121	50-245 P
	7812270240	50-220 P		7812080126	50-245 S
	7812270287	50-220 P		7812080129*	50-245 S
	7812280196	50-410 Q		7812120108	50-336 S
North Anna Environmental Coalition	7812060220*	50-338 H		7812120113*	50-336 S
North Carolina, State of	7811080230	50-488 A		7812120116	50-336 S
Northcutt Ely	7812140244	50-445 M		7812120129*	50-336 S
	7812140244	50-445 M		7812150301	50-336 R
	7812140246*	50-445 M		7812150308*	50-336 R
	7812140246*	50-445 M		7812190083	50-245 P
Northeast Nuclear Energy Co. (subs. of Northeast Utilities)	7811290292*	50-245 R		7812200187	50-336 P
	7811290332*	50-336 Q		7812260168	50-496 A
	7812180143	50-245 P		7812260174*	50-496 A
	7812210056*	50-245 Q		7812260213	50-245 S
	7812210070*	50-245 P		7812260219*	50-245 S
	7812260012	50-245 F		7812280137	50-336 Q
	7812290061*	50-336 Q		7812280142*	50-336 Q
Northeast Utilities	7810110128	50-336 S		7812290149	50-245 R
	7810110129*	50-336 S		7812290173*	50-245 R
	7810110140	50-245 P		7812290205	50-245 S
	7810110176	50-245 P		7812290212*	50-245 S
	7810120089	50-245 S		7810130139	50-367 A
	7810120096*	50-245 S		7810160136	50-367 A
	7810130138	50-245 P		7810270091	50-376 R
	7810160117	50-245 B		7811030144	50-367 R
			Northern Indiana Public Service Co.	7811030147	50-367 A
				7811080224	50-367 P

	7811140208	50-367	A		7812120094*	50-282
	7811170106	50-367	A		7812120094*	50-282
	7811210360	50-367	A		7812140143	50-263
	7811290178	50-367	R		7812140159	50-306
	7812050183	50-367	A		7812140161*	50-306
	7812090184	50-367	A		7812200211	50-263
	7812110119	50-367	R		7812200215*	50-263
	7812200142	50-367	A		7812200283	50-263
	7812210174	50-367	R		7812200287*	50-263
	7812280120	50-367	R		7812210036	50-282
Northern States Power Co	7810110180	50-263	B		7812210036	50-282
	7810110183*	50-263	B		7812210190	50-263
	7810120029	50-282	R		7812260193	50-263
	7810120030	50-263	R		7812260207	50-282
	7810120031*	50-282	R		7812260209*	50-282
	7810120032*	50-263	R		7812260222	50-306
	7810120033*	50-282	R		7812260237*	50-306
	7810140116	50-484	A		7812260256	50-263
	7810160122	50-263	F		7812260258*	50-263
	7810170099	50-263	P		7812270232	50-263
	7810170220	50-282	P		7812270237*	50-263
	7810170224	50-282	S		7812270241	50-263
	7810170262*	50-263	P		7812270245*	50-263
	7810180012	50-282	S		7812270246	50-263
	7810180013*	50-282	B		7812270251*	50-263
	7810180021	50-306	B	Northrop Corp	781020248	50-187
	7810180025*	50-306	B		781020251*	50-187
	7810180034	50-306	B		7811140149	50-187
	7810180036*	50-306	B		7812130342*	50-187
	7810200078	50-263	P	Nuclear Associates International Corp. (subs. of Control Data Corp.)	7810180042*	50-305
	7810200080*	50-263	P			
	7810240117	50-263	S	Nuclear Energy Liability Insurance Association	7811090096	50-259
	7810250076	50-263	P			
	7810250076	50-263	P		7811220078*	50-3
	7810300145	50-263	P		7811220081*	50-3
					7812110172*	50-344
	7810300156	50-263	I		7812110177*	50-344
	7810300156	50-263	I			
	7810300191	50-263	S		7812180151*	50-213
	7810300196*	50-263	S		7812180218*	50-10
	7810300237	50-282	P	Nuclear Fuel Services, Inc. (subs. of Getty Oil Co.)	7810300338*	50-201
	7810310078	50-484	Q		7811100125	50-201
	7811070213	50-282	B		7811170223	50-201
	7811070219	50-282	B			
	7811070247	50-282	B		7811270237	50-201
	7811070259*	50-282	B		7811270290	50-201
					7811280118	50-201
					7812150036	50-201
	7811140115	50-282	R	Nuclear Insurance Consultants	7810130223	50-295
	7811140117*	50-282	R			
	7811140117*	50-282	R		7811070159	50-272
	7811140143	50-282	F		7812010256	50-259
	7811140180	50-263	J		7812010256	50-259
					7812040223	50-272
	7811140194	50-263	F		7812040223	50-272
	7811150115	50-282	P			
	7811160116	50-263	R		7812050334*	50-549
	7811160117*	50-263	R	Nuclear Safety Associates	7810200134	50-409
	7811210307	50-263	P	Nyggaard, G. R.	7810190199	50-522
				O'Kelly, A. P.	7810170060	50-443
	7811210334	50-263	P	O'Neill & Backus	7812260067	50-443
	7811240124	50-263	S			
	7811240126*	50-263	S		7812260087	50-443
	7811240162	50-263	S		7812260092*	50-443
	7811280195	50-282	P		7812260092*	50-443
					7810140076	50-395
	7811280195	50-282	P	Oak Ridge National Laboratory	781270054*	50-488
	7811280234	50-263	S			
	7811280239*	50-263	S		7812080097	50-395
	7811280244*	50-263	S		7812270182	50-247
	7811280249*	50-263	B		7811240029	50-343
					7811240032*	50-343
	7811280253*	50-263	B	Ocean County, NJ	7810160112	50-437
	7811280256*	50-263	B			
	7811280263*	50-247	B	Offshore Power Systems (subs. of Westinghouse Electric Corp.)		
	7811280279	50-282	P		7810230383	50-437
	7811280279	50-282	P		7810240103	50-437
					7811090163	50-457
	7811280338	50-263	P		7811150257	50-437
	7812010215	50-263	P		7811200058*	50-437
	7812050177	50-306	B			
	7812060141	50-282	P		7812060155	50-437
	7812060141	50-282	P		7812070176	50-437
					7812200140	50-437
	7812060318	50-263	P		7812210451	50-437
	7812070221	50-263	P		7812220097	50-437
	7812070222*	50-263	P			
	7812070311	50-484	Q		7812290019	50-437
	7812080135	50-306	P	Ohio Edison Co.	7810130157	50-580
					7810160128	50-580
	7812080138*	50-306	P		7810230201	50-580
	7812110118	50-263	P		7810230201	50-580
	7812110136	50-263	R			
	7812110140*	50-263	R		7810250115	50-580
	7812120091	50-282	R			

Entity	Account Number	Amount	Category	Company Name	Account Number
	7811150126	50-580	B	Oswego, NY	7811090052
	7811150126	50-580	B	PMB Systems Engineering, Inc.	7810240203
	7811150131*	50-580	B	Pacific Gas & Electric Co	7810130058
	7812050196	50-580	A		7810140114
	7812270204	50-580	A		7810160118
Ohio State Univ	7811200095*	50-346	R		7810160118
	7811200098*	50-346	R		7810170179
Oklahoma Univ of	7810110167	50-112	P		7810170179
	7811090082	50-112	P		7810170203
Omaha Public Power District	7810100010	50-285	S		7810170221
	7810100014*	50-285	S		7810170229
	7810110100	50-285	S		7810170229
	7810110103*	50-285	S		7810180028
	7810110112	50-285	S		7810180035*
	7810110113	50-285	S		7810180123
	7810110114*	50-285	S		7810180123*
	7810110117*	50-285	S		7810190071
	7810110189	50-285	R		7810240111
	7810110193*	50-285	R		7810240113*
	7810110223*	50-285	Q		7810260223*
	7810130125	50-285	R		7810300350
	7810130126*	50-285	R		7810310207
	7810130151	50-285	P		7810310226
	7810180159	50-285	S		7810310226
	7810180162*	50-285	S		7811010039
	7810250063*	50-285	P		7811070111
	7810250079	50-285	F		7811070111
	7810250101	50-285	F		7811070271
	7811060079	50-285	P		7811070271
	7811060200	50-285	S		7811080040
	7811060204*	50-285	S		7811080257
	7811070099	50-285	P		7811140126
	7811090180	50-285	P		7811140126
	7811130184	50-285	Q		7811140145*
	7811140107	50-285	R		7811140145*
	7811140161*	50-285	R		7811150146
	7811140197	50-285	P		7811150149*
	7811150132	50-285	P		7811210164
	7811170193	50-285	P		7811210164
	7811210368	50-285	S		7811210169*
	7811210371*	50-285	S		7811210169*
	7811280257	50-285	Q		7811220181
	7811280280	50-285	H		7811220182*
	7811290390	50-285	P		7811280480
	7812010238	50-285	S		7812050155
	7812010240*	50-285	S		7812050155
	7812040161	50-285	P		7812060276
	7812050173	50-285	S		7812120161
	7812050179*	50-285	S		7812120161
	7812050193	50-285	F		7812130002
	7812060048*	50-285	Q		7812130008*
	7812060282*	50-285	Q		7812140085
	7812130111	50-285	Q		7812140085
	7812130178	50-285	R		7812150310
	7812130181*	50-285	R		7812150311*
	7812200227	50-285	S		7812190143
	7812200231*	50-285	S		7812190143
	7812200264	50-285	S		7812210193
	7812200265	50-285	S		7812210193
	7812200267	50-285	S		7812210197
	7812200272*	50-285	S		7812210200*
	7812260203*	50-285	P		7812210200*
	7812270213	50-285	S		7812210209*
	7812270217*	50-285	S		7812210223
	7812270219	50-285	S		7812210223
	7812270224*	50-285	S		7812210225*
	7812270258	50-285	S		7812210225*
	7812270262*	50-285	S		7812210229
	7812270332	50-285	S		7812210229
	7812270333*	50-285	S		7812210235*
	7812290176	50-285	P		7812210235*
	7812290225	50-285	S		7812210386
	7812290228*	50-285	S		7812210386
Oregon State Univ.	7812270193	50-106	P		7812260217
Oregon State of	7812270197*	50-106	P	Parsons, Brinkerhoff, Quade & Douglas, Inc.	7812050356*
	7810300162	50-514	Q	Inc.	7812210374
	7810300165*	50-514	Q	Pearce & Brand	7810120069
	7810300167*	50-514	Q	Pennsylvania Power & Light Co.	7810120069
	7811080062	50-344	Q		7810250190*
	7811100174	50-344	Q		7810260033
	7811150140	50-344	Q		7810260033
	7812010361	50-344	Q		7810260033

	7811130073*	50-387	B		7812110213	50-33
	7811130077*	50-387	B		7812130083*	50-33
	7811170123	50-387	A		7812130098*	50-33
	7811200165	50-387	B		7812130130	50-27
	7811200185	50-387	K		7812130162	50-27
	7811200190*	50-387	K		7812180154	50-27
	7811270114	50-387	A		7812180154	50-27
	7812050178	50-387	A		7812180157*	50-27
	7812120096	50-387	A		7812180160	50-27
	7812130118	50-387	C		7812180221	50-27
	7812210168	50-387	A		7812210074*	50-24
	7812210169	50-387	A		7812210165	50-27
	7812210173	50-387	A		7812220063	50-27
	7812210173	50-387	A		7812220063	50-27
	7812210177	50-387	A		7812220064*	50-27
	7812210177	50-387	A		7812220064*	50-27
	7812270221	50-230	P		7812220064*	50-27
Perkins, Cole, Stone, Olsen & Williams	7810130087	50-522	Q		7812220064*	50-27
	7810300109	50-522	Q	Portland Cement Association	7812220064*	50-27
	7811070357	50-522	Q	Portland General Electric Co.	7812220064*	50-27
	7812130227	50-522	Q		7812220064*	50-27
Pfefferkorn & Cooley, P. A.	7810260065	50-488	Q		7810120009	50-34
	7810300332	50-488	Q		7810120026	50-34
	7810300332	50-488	Q		7810120106	50-34
	7810300332	50-488	Q		7810130147	50-34
	7810300332	50-488	Q		7810130150*	50-34
	7810300336*	50-488	Q		7810140087	50-34
	7810300336*	50-488	Q		7810140122	50-34
	7810300336*	50-488	Q		7810170144	50-34
	7810300389	50-488	Q		7810170145*	50-34
	7812040297	50-488	Q		7810180070	50-34
Philadelphia Electric Co.	7810100038	50-277	B		7810190184	50-34
	7810100082	50-277	B		7810190217	50-34
	7810100096	50-278	B		7810200015	50-34
	7810100101	50-277	B		7810200107	50-34
	7810110105	50-277	P		7810200108*	50-34
	7810130155	50-277	B		7810240091	50-34
	7810130155	50-277	B		7810310167	50-34
	7810130163*	50-277	B		7810310170*	50-34
	7810200094	50-277	Q		7811010075	50-34
	7810230164	50-277	R		7811010149	50-34
	7810230167*	50-277	R		7811020103	50-34
	7810240164	50-277	S		7811070112	50-34
	7810270007	50-463	Q		7811070152	50-34
	7810270186	50-277	P		7811070162	50-34
	7810270186	50-277	P		7811070193	50-34
	7810270188*	50-277	P		7811070198*	50-34
	7810270261	50-278	B		7811070285	50-34
	7810270270*	50-278	B		7811070364	50-34
	7811010089*	50-277	Q		7811080228	50-34
	7811080094	50-277	B		7811100114	50-34
	7811090137	50-277	B		7811100121*	50-34
	7811090141*	50-277	B		7811100126*	50-34
	7811090146	50-277	B		7811100128*	50-34
	7811090152*	50-277	B		7811100133*	50-34
	7811140086	50-278	B		7811140139	50-34
	7811140142	50-277	R		7811140141*	50-34
	7811140144*	50-277	R		7811140141*	50-34
	7811150116	50-171	W		7811140159	50-34
	7811150119*	50-171	W		7811160101*	50-34
	7811160084	50-277	R		7811280315	50-34
	7811160084	50-277	R		7811280317*	50-34
	7811160086*	50-277	R		7811280324	50-34
	7811160095	50-277	B		7811280327*	50-34
	7811170130	50-277	R		7811300374	50-34
	7811170130	50-277	R		7812040031*	50-34
	7811170131*	50-277	R		7812080078	50-34
	7811170131*	50-277	R		7812110006	50-34
	7811280225	50-277	B		7812110169	50-34
	7811280227	50-278	B		7812120105	50-51
	7811280230*	50-278	B		7812120149	50-34
	7811280248	50-352	B		7812120153*	50-34
	7811280248	50-352	B		7812140211	50-34
	7811280254*	50-352	B		7812140287	50-34
	7811280254*	50-352	B		7812140377	50-34
	7811280470	50-278	B		7812270096	50-34
	7811300217	50-277	Q		7812280128	50-34
	7811300220*	50-277	Q		7812280130*	50-34
	7812010012*	50-277	Q		7812280179	50-34
	7812070173	50-277	B	Power Authority of the State of New York	7810100022	50-33
	7812070210	50-277	B		7810100026*	50-33
	7812070213*	50-277	B		7810100098	50-28
	7812080109	50-277	R		7810100100*	50-28
	7812080111*	50-277	R		7810110085	50-28
	7812080112*	50-277	R		7810110094	50-28
	7812110213	50-352	Q		7810110136	50-33

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR AFFILIATION	ACCESSION NUMBER	SUB CAT
	7810110160	50-286 P		7812030354*	50-3
	7810120043	50-333 S		7812030356*	50-3
	7810120046*	50-333 S		7812060113	50-2
	7810120038	50-286 S		7812070174	50-3
	7810120060*	50-286 S		7812070178*	50-3
	7810120073	50-333 S		7812110153	50-2
	7810120079*	50-333 S		7812120080	50-3
	7810130128	50-333 R		7812130168	50-2
	7810130132*	50-333 R		7812130171*	50-2
	7810130167	50-286 R		7812150237	50-2
	7810130180*	50-286 R		7812150241*	50-2
	7810170108	50-333 P		7812150267	50-3
	7810170111*	50-333 P		7812150274*	50-3
	7810170173	50-333 P		7812180388	50-5
	7810180073	50-333 P		7812190114	50-3
	7810230186	50-333 S		7812220095	50-2
	7810230189*	50-333 S		7812220098*	50-2
	7810230191	50-286 P		7812220099*	50-3
	7810230263	50-333 S		7812220100*	50-5
	7810230265*	50-333 S		7812260019*	50-2
	7810230308	50-333 S		7812260023*	50-2
	7810230310*	50-333 S		7812260130	50-2
	7810240080	50-549 A		7812260189	50-3
	7810240122	50-333 S		7812270242	50-3
	7810240126*	50-333 S		7812270250*	50-3
	7810240133	50-333 S		7812290140	50-3
	7810240139*	50-333 S		7812290170	50-2
	7810250135*	50-286 O		7812290246	50-3
	7810260109	50-286 F	Public Citizen Litigation Group	7811270009	50-4
	7810270149	50-333 F		7812010357	50-4
	7810300073	50-333 Q		7812180077	50-4
	7810300280*	50-333 Q	Public Interest Research Group	7810270201	50-3
	7811010111	50-333 P		7811010010*	50-3
	7811030099	50-549 A		7811010013*	50-3
	7811060210	50-286 S	Public Service Co. of Colorado	7810100005	50-2
	7811060215*	50-286 S		7810100012	50-2
	7811070126	50-333 F		7810110136	50-2
	7811070244	50-333 S		7810110264*	50-2
	7811070248*	50-333 S		7810120063	50-2
	7811070253	50-286 P		7810120064*	50-2
	7811070256*	50-286 P		7810160100	50-2
	7811070318	50-333 S		7810160103*	50-3
	7811070323*	50-333 S		7810160131	50-2
	7811080086*	50-286 Q		7810170139	50-2
	7811080110	50-286 P		7810170174	50-2
	7811080111*	50-286 P		7810180141	50-2
	7811080123	50-286 P		7810230165	50-2
	7811080127*	50-286 P		7810250067	50-2
	7811080129*	50-286 P		7810260205	50-2
	7811080183	50-286 P		7810270228	50-2
	7811080184*	50-286 P		7810270232*	50-2
	7811100129*	50-286 Q		7810270276	50-2
	7811100138*	50-286 Q		7810270283*	50-2
	7811100145*	50-286 Q		7810300164	50-2
	7811100158*	50-286 Q		7810300166*	50-2
	7811140104	50-286 R		7810300179	50-2
	7811140106*	50-286 R		7810300180*	50-2
	7811140121	50-333 R		7810300189	50-2
	7811140123*	50-333 R		7810300194*	50-2
	7811140238	50-333 S		7810300309	50-2
	7811140247	50-286 S		7810300313*	50-2
	7811140248*	50-333 S		7810310085	50-2
	7811140250*	50-286 S		7810310094	50-2
	7811160049	50-333 P		7810310223	50-2
	7811170110	50-333 S		7810310230*	50-2
	7811200023	50-549 A		7811070234	50-2
	7811210274	50-247 P		7811070238*	50-2
	7811210300	50-333 P		7811160071	50-2
	7811210389	50-333 P		7811160096	50-2
	7811210414	50-333 S		7811240226	50-2
	7811210422*	50-333 S		7811240228*	50-2
	7811220189	50-286 S		7811270154	50-2
	7811220192*	50-286 S		7811270156*	50-2
	7811280291	50-333 P		7811280285	50-2
	7811280297	50-549 Q		7811280289*	50-2
	7811280302*	50-549 Q		7811280312	50-2
	7811290182	50-286 P		7811280318*	50-2
	7812010076*	50-286 Q		7812070186	50-2
	7812010085*	50-286 O		7812120089	50-2
	7812040156	50-333 S		7812130135	50-2
	7812040159*	50-333 S		7812130141*	50-2
	7812040205	50-549 A		7812130163	50-2
	7812050139	50-549 E		7812130164	50-2
	7812050216	50-549 A		7812130167*	50-2
	7812050350	50-549 T		7812130176	50-2

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY
	7810190226	50-516 Q		7811160078*	50-312 R
	7810190226	50-516 Q		7811170117	50-312 P
	7810190235	50-516 Q		7811210261	50-312 F
	7810200156	50-516 Q		7811210319	50-312 P
	7810200156	50-516 Q		7811270096*	50-312 Q
	7810240087	50-516 Q		7811280209	50-312 P
	7810270301	50-322 Q		7812050114	50-312 P
	7810310374	50-516 A		7812050146	50-312 F
	7811200002	50-322 Q		7812080094	50-312 P
	7811200020	50-516 Q		7812110170	50-312 B
	7812110012	50-322 Q		7812110173*	50-312 B
	7812150019	50-516 Q		7812120147	50-312 B
	7812210471	50-322 Q		7812130107	50-312 P
Rensselaer Polytechnic Inst. Rhode Island, State of	7811010071	50-225 J		7812140142	50-312 Q
	7810180084	50-568 A		7812180159	50-312 F
	7811010132	50-568 A		7812200159	50-312 P
	7811010436	50-568 Q		7812200196	50-312 R
	7812010204	50-568 A		7812200197*	50-312 R
Rochester Gas & Electric Corp.	7812010335*	50-568 Q	Safe Energy for New Haven	7811010310	50-502 Q
	7810160111*	50-244 P		7812130084*	50-502 Q
	7810160129	50-244 P	Baginaw Archaeological Commission	7810130231	50-329 A
	7810170182	50-244 P	San Diego Gas & Electric Co.	7810260118*	50-361 K
	7810170213	50-244 R		7811280007*	50-206 P
	7810170215*	50-244 R	San Luis Obispo Mothers for Peace	7810300008	50-275 Q
	7810170257	50-244 F		7811010324	50-275 Q
	7810170263*	50-244 P		7812180309	50-275 Q
	7810180150*	50-244 P	Sargent & Lundy, Inc.	7812050190*	50-367 Q
	7810190069*	50-244 P	Scribes, NY	7812130090	50-220 Q
	7810230256	50-244 Q	Senate	7810110203*	50-70 P
	7811010376	50-485 Q		7810110205*	50-70 P
	7811060088	50-244 F		7810240011*	50-440 A
	7811070142	50-244 P		7810240137*	50-468 H
	7811070182	50-244 P		7811080039	50-70 P
	7811130232	50-244 P		7811220132	50-267 U
	7811140241	50-244 P		7811240094*	50-70 U
	7811280216	50-244 P		7812080211*	50-302 U
	7811290179	50-244 P		7812130326	50-400 U
	7811290245	50-244 J		7812140331*	50-427 H
	7812050152	50-244 P		7812190236	50-440 Q
	7812050187	50-244 P		7812280248	50-502 H
	7812080123	50-244 P		7812280254	50-338 H
	7812080128	50-244 P	Senate, Governmental Affairs	7812120041*	50-500 H
	7812130012	50-244 F	Shaw, Pittman, Potts & Trowbridge	7810130225	50-366 Q
	7812220118*	50-244 P		7810140032	50-484 Q
	7812280191	50-485 Q		7810160091	50-484 Q
	7812290090	50-244 P		7810190210	50-484 Q
Rockwell International Corp. Ropes & Gray	7810270197	50-94 J		7810190230	50-483 Q
	7810310185	50-443 A		7810200034	50-320 Q
	7811070001	50-471 Q		7810200177	50-483 Q
	7811070004*	50-471 Q		7810200177	50-483 Q
	7811070138	50-443 I		7810200182*	50-483 Q
	7812010057*	50-471 Q		7810200182*	50-483 Q
Sacramento Municipal Utility District	7810100016	50-312 B		7810230326	50-266 Q
	7810100021*	50-312 B		7810240227	50-483 Q
	7810100050	50-312 B		7810240227	50-483 Q
	7810100056*	50-312 B		7810270005	50-484 Q
	7810100061	50-312 B		7810300267	50-580 Q
	7810100069*	50-312 B		7810310078	50-484 Q
	7810100073	50-312 B		7811010080	50-484 Q
	7810100077*	50-312 B		7811010285	50-436 H
	7810110124	50-312 R		7811010285	50-346 H
	7810110126*	50-312 R		7811070137	50-440 A
	7810120027	50-312 P		7811070322	50-502 Q
	7810130131	50-312 B		7811120071	50-483 Q
	7810130135*	50-312 B		7811130146	50-346 H
	7810130178	50-312 B		7811130146	50-346 H
	7810170199	50-312 B		7811130146	50-346 H
	7810170201*	50-312 B		7811130146	50-346 H
	7810200104	50-312 B		7811130230*	50-346 H
	7810200106*	50-312 B		7811130230*	50-346 H
	7810230099	50-312 F		7811130230*	50-346 H
	7810230160	50-312 P		78111270048	50-483 Q
	7810230277	50-312 B		7811270048	50-483 Q
	7810230285*	50-312 B		7811270050*	50-483 Q
	7810280184	50-312 B		7811270050*	50-483 Q
	7810310087	50-312 B		7812010316	50-400 Q
	7811030149	50-312 B		7812080233	50-580 Q
	7811030152*	50-312 B		7812110284	50-483 Q
	7811030153	50-312 B		7812130057	50-483 Q
	7811030156*	50-312 B		7812210456	50-380 Q
	7811070201	50-312 P		7812220109	50-502 Q
	7811130089	50-312 Q		7812220141	50-320 Q
	7811140230	50-312 B		7812280079	50-400 Q
	7811140236*	50-312 B		7812280345	50-440 Q
	7811160076	50-312 R		7812290100	50-502 Q

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY
Sheldon, Harmon & Weiss	7812290105*	50-502 D
	7810300039	50-338 P
	7810300039	50-338 P
	7810300037*	50-338 Q
	7810300037*	50-338 Q
	7810300065*	50-338 Q
	7810300065*	50-338 Q
	7812110101	50-338 Q
	7812280158	50-338 Q
Sierra Club	7811280159*	50-458 I
	7812270009*	50-220 P
Simmonds, Winslow, Hillis & Abbott	7811210140	50-471 A
Skagitians Concerned About Nuclear Power	7810130089	50-522 Q
	7812130239	50-443 Q
	7812190080	50-522 Q
Snell & Wilmer	7811020082	50-392 H
South Carolina Electric & Gas Co	7810120070*	50-395 A
	7810120137	50-395 A
	7810130046	50-395 Q
	7810130108*	50-395 C
	7810170105	50-395 A
	7810190163	50-395 Q
	7810190229	50-395 Q
	7810190239*	50-395 Q
	7810230161	50-395 A
	7810300217	50-395 A
	7810300384	50-395 Q
	7810300387*	50-395 Q
	7810310083	50-395 A
	7811010120	50-395 K
	7811010125*	50-395 K
	7811010173	50-395 C
	7811070128	50-395 A
	7811080131*	50-395 Q
	7811090232	50-395 Q
	7811150062*	50-395 Q
	7811150181	50-395 F
	7811210286	50-395 K
	7811210397	50-395 A
	7811220184	50-395 A
	7811220280	50-395 Q
	7812010329	50-395 B
	7812040167	50-395 Q
	7812050231	50-395 F
	7812060028*	50-395 Q
	7812060374	50-395 Q
	7812120029	50-395 Q
	7812120156	50-395 A
	7812120200	50-395 R
	7812120206*	50-395 R
	7812130364	50-395 Q
	7812140057	50-395 B
	7812200286	50-395 J
	7812200289*	50-395 J
	7812280302	50-395 Q
South Carolina, Univ. of	7810240077*	50-269 R
Southern California Edison Co.	7810110096	50-206 P
	7810130159	50-206 R
	7810130160*	50-206 R
	7810170103	50-361 A
	7810180083	50-361 A
	7810180089	50-206 B
	7810180124	50-361 A
	7810180157	50-206 B
	7810230101	50-361 B
	7810230103	50-206 P
	7810230135	50-206 F
	7810230268	50-206 P
	7810250039	50-206 J
	7810250066	50-206 P
	7810250123	50-206 B
	7810260115	50-361 K
	7810260118*	50-361 K
	7810260118*	50-361 K
	7810270214	50-206 Q
	7810270216*	50-206 Q
	7810300098	50-206 P
	7810310132	50-206 P
	7811010167	50-361 H
	7811010167	50-361 H
	7811060050	50-361 Q
	7811060086	50-206 P
	7811060104	50-206 F
	7811070243	50-206 P

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY
	7811080103	50-206
	7811100043	50-361
	7811100043	50-361
	7811100046	50-361
	7811100047	50-206
	7811100048	50-206
	7811140177	50-206
	7811140181*	50-206
	7811160080	50-206
	7811160082*	50-206
	7811210316	50-206
	7811210377	50-206
	7811220146	50-206
	7811220168	50-361
	7811220169*	50-361
	7811230169*	50-361
	7811280312	50-206
	7811280319	50-206
	7811280345	50-206
	7811280359	50-206
	7811280277	50-206
	7811280281*	50-206
	7811300209	50-361
	7812040193	50-361
	7812050186	50-206
	7812050219	50-206
	7812060069	50-206
	7812120101	50-206
	7812130177	50-361
	7812130210*	50-361
	7812130280	50-206
	7812190120	50-361
	7812190120	50-361
	7812190124*	50-361
	7812190124*	50-361
	7812190150	50-206
	7812190157	50-206
	7812190159*	50-206
	7812200132	50-206
	7812210078*	50-361
	7812210263*	50-361
	7812210263*	50-361
	7812210265*	50-361
	7812210265*	50-361
	7812210265*	50-206
	7812220082	50-206
	7812270165	50-206
	7812270196	50-206
	7812270199*	50-206
	7812270205	50-361
	7812290113	50-361
	7812290115*	50-361
Spiegel & McDiarmid	7810270390	50-498
	7811030245	50-392
	7811080064	50-389
	7811100163	50-498
	7811100180	50-389
	7812040260	50-389
	7812180246	50-329
	7812180339	50-389
	7812180342*	50-389
	7812270063	50-389
Standardized Nuclear Unit Power Plant System	7812270071	50-250
Stanford Univ.	7812270038	50-482
	7811010220	50-70
	7811020313	50-70
Stewart & DeChant Co.	7811240072*	50-440
Stone & Webster, Inc.	7812050354*	50-549
	7812200177*	50-458
	7812290275*	50-596
Stafford County, NY	7810160107	50-516
	7811210110	50-322
	7811290311	50-516
	7811300373	50-322
	7812210411	50-322
	7812260322	50-322
Sullivan, W. F.	7812070054*	50-373
Taunton Municipal Lighting Plant	7811070156*	50-443
Tennessee Valley Authority	7810100002	50-246
	7810100006*	50-246
	7810100036	50-259
	7810100040*	50-259
	7810100042	50-246
	7810100047*	50-246

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY	AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY
	7810110107	50-259 P		7811060090	50-390 S
	7810110107	50-259 P		7811060094	50-327 A
	7810110158	50-327 A		7811060094	50-327 A
	7810120063	50-259 P		7811060096*	50-390 S
	7810160106	50-259 R		7811060096*	50-390 S
	7810160106	50-259 R		7811070109	50-438 K
	7810160106	50-259 R		7811070132	50-296 P
	7810160109*	50-259 R		7811070236	50-327 S
	7810170161*	50-259 R		7811070236	50-327 S
	7810170197	50-327 K		7811070240*	50-327 A
	7810170206	50-390 A		7811070240*	50-327 A
	7810170206	50-390 A		7811070246	50-518 S
	7810170237*	50-321 S		7811070245	50-518 S
	7810180093	50-327 A		7811070249*	50-518 S
	7810180093	50-327 A		7811070249*	50-518 S
	7810180138	50-260 S		7811070276	50-327 S
	7810180142*	50-260 S		7811070277	50-327 A
	7810190164	50-327 S		7811070277	50-327 A
	7810190164	50-327 S		7811070277	50-327 A
	7810190228	50-390 A		7811070277	50-327 A
	7810230135	50-327 F		7811070277	50-327 A
	7810230135	50-327 F		7811070277	50-327 A
	7810230227*	50-259 O		7811070277	50-327 A
	7810230244	50-259 P		7811070277	50-327 A
	7810230244	50-259 P		7811070281*	50-327 A
	7810230244	50-259 P		7811070281*	50-327 A
	7810240037	50-566 O		7811070281*	50-327 A
	7810240144	50-259 P		7811070281*	50-327 A
	7810240144	50-259 P		7811070281*	50-327 A
	7810240146	50-296 S		7811070281*	50-327 A
	7810240151*	50-296 S		7811070281*	50-327 A
	7810240153	50-259 P		7811070281*	50-327 A
	7810250035	50-260 S		7811080114	50-390 A
	7810250080	50-296 P		7811080114	50-390 A
	7810250082	50-260 P		7811080132	50-390 K
	7810250085*	50-260 P		7811080132	50-390 K
	7810250088	50-566 F		7811080134*	50-390 K
	7810250088	50-566 F		7811080134*	50-390 K
	7810250095	50-327 Q		7811080160	50-390 F
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	7810250120	50-327 A		7811080164	50-518 A
	7810250122*	50-327 A		7811080167*	50-518 A
	7810250122*	50-327 A		7811080254*	50-438 O
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	7810300168	50-260 S		7811130013*	50-259 O
	7810300171*	50-260 S		7811130013*	50-259 O
	7810310064*	50-259 O		7811130013*	50-259 O
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	7810310183	50-259 S		7811140140*	50-259 R
	7810310186*	50-259 S		7811140165	50-296 S
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	7811010073	50-327 A		7811140186	50-296 S
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	7811020231	50-438 K		7811140201	50-296 S
	7811020231	50-438 K		7811140206*	50-296 S
	7811020234*	50-438 K		7811140217	50-259 S
	7811020234*	50-438 K		7811140221*	50-259 S
	7811020362	50-259 S		7811140240	50-259 S
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	7811030260*	50-438 S		7811150129*	50-260 P
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	7811060063	50-327 S		7811150196*	50-327 A
	7811060063	50-390 A		7811150199*	50-327 A
	7811060063	50-327 S		7811160067	50-438 S
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	7811060063	50-390 S		7811160072*	50-438 S
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	7811060063	50-327 S		7811160098	50-327 A
	7811060069*	50-390 S		7811160098	50-327 A
	7811060069*	50-390 S		7811160099	50-296 S
	7811060090	50-390 S		7811160104*	50-296 S

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Texas Public Interest Research Group	7812220080*	50-59 F		7811070273	50-
	7810160132	50-466 H		7811070275*	50-
	7810160134*	50-466 H		7811090131	50-
	7811160196	50-466 Q		7811090178	50-
	7811210038	50-466 Q		7811090179*	50-
Texas Tech Univ. Texas Utilities Co.	7811210044*	50-466 Q		7811130230*	50-
	7812180306	50-466 Q		7811140133	50-
	7811210046	50-466 A		7811140136*	50-
	7810140141	50-445 M		7811150124	50-
	7810240221*	50-445 Q		7811170100	50-
Texas Utilities Generating Co.	7811170133	50-445 A		7811200087	50-
	7812190070	50-445 K		7811200100*	50-
	7812210150	50-445 A		7811200106*	50-
	7812270259	50-445 K		7811200178	50-
	7810240161	50-445 A		7811200209	50-
	7810240186	50-445 A		7811200212*	50-
	7811030249*	50-445 Q		7811210347	50-
	7811070134	50-445 S		7811210352*	50-
	7811070260*	50-445 Q		7811210357*	50-
	7811070260*	50-445 Q		7811210359*	50-
	7811080031	50-445 Q		7811210362*	50-
	7811210348	50-445 A		7811210372	50-
	7811210401	50-445 S		7811210374*	50-
	7811280183	50-445 S		7811210375*	50-
	7811280218	50-445 A		7811210379*	50-
	7811280367	50-445 S		7811210382*	50-
	7811280367	50-445 S		7811220158	50-
	7811300020*	50-445 Q		7811220174	50-
	7811300109*	50-445 Q		7811240159	50-
	7812070111	50-445 K		7811280198	50-
	7812070111	50-445 K		7811280202*	50-
	7812070116*	50-445 K		7812010207	50-
	7812070116*	50-445 K		7812010213*	50-
	7812150264	50-445 C		7812040228	50-
	7812150264*	50-445 C		7812050157	50-
	7812190142*	50-445 Q		7812050162*	50-
	7812190142*	50-445 Q		7812050163	50-
	7812190232	50-445 Q		7812050204	50-
	7812190232	50-445 Q		7812050206*	50-
	7812200184	50-445 A		7812050217	50-
	7812200184	50-445 A		7812050218*	50-
	7812200186*	50-445 A		7812070196	50-
	7812200186*	50-445 A		7812070198	50-
	7812280109	50-445 S		7812070199*	50-
	7812280109	50-445 S		7812070201*	50-
Texas Utilities Services, Inc. Texas, State of	7811220083	50-445 A		7812120140	50-
	7811220378	50-445 M		7812120146*	50-
	7811290014	50-498 Q		7812120165	50-
	7812130231	50-498 M		7812120172	50-
	7810190199	50-522 Q		7812120173*	50-
Thomson, F. T.					
Toledo Edison Co.	7810100060	50-346 S		7812120181*	50-
	7810100063*	50-346 S		7812140137	50-
	7810120074	50-346 S		7812140140*	50-
	7810120078*	50-346 S		7812150278	50-
	7810120084*	50-346 S		7812150278	50-
	7810130142	50-346 R		7812150296	50-
	7810130144*	50-346 R		7812150298*	50-
	7810160124	50-346 S		7812180134	50-
	7810160127*	50-346 S		7812180206	50-
	7810160137	50-346 S		7812190081	50-
	7810160140*	50-346 S		7812190115	50-
	7810180041	50-346 S		7812190116*	50-
	7810180042*	50-346 S		7812200166	50-
	7810230269	50-346 S		7812270256	50-
	7810230275*	50-346 S		7812290200	50-
	7810270171	50-346 P	Trans-Eastern Inspection Services, Inc. Transportation, Dept. of Treasury, Dept. of Trojan Decommissioning Alliance	7812290208*	50-
	7810270177	50-346 P		7812200127	50-
	7810310194	50-346 S		7810230170	50-
	7810310201*	50-346 S		7812140325	50-
	7810310303	50-346 S		7812080156*	50-
	7810310309*	50-346 S	Union Carbide Corp.	7811160147	50-
	7810310330*	50-346 S		7812190091	50-
	7810310342*	50-346 S		7812270164	50-
	7810310346*	50-346 S		7812290157	50-
	7811010066	50-500 A		7812200237	50-
	7811010066	50-500 A	Union Electric Co.	7812290277	50-
	7811010129	50-500 I		7811070358	50-
	7811010129	50-500 I		7811070143*	50-
	7811030157	50-346 S		7811070161*	50-
	7811030158*	50-346 S		7811070143*	50-
	7811060118	50-346 P	Vermont Electric Power Co., Inc. Vermont Yankee Nuclear Power Corp.	7810160135	50-
	7811070184	50-346 S		7810170192	50-
	7811070188*	50-346 S		7810170193*	50-
	7811070264	50-346 S		7810200090	50-
	7811070267*	50-346 S		7810310244	50-

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 AFFILIATION

 Vermont, State of
 Virginia Electric & Power Co.

ACCESSION NUMBER	SUBJECT CATEGORY
7810310248*	50-271 S
7811020175*	50-271 G
7811090166	50-271 H
7811140125	50-271 R
7811140127*	50-271 R
7811140224	50-271 P
7811160102	50-271 S
7811160103*	50-271 S
7811160128	50-271 S
7811160130*	50-271 S
7811270130	50-271 P
7811270134*	50-271 P
7812050130	50-271 F
7812150290	50-271 R
7812150292*	50-271 R
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7812180176*	50-271 S
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7812180194*	50-271 S
7812180199*	50-271 S
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7812180216*	50-271 S
7812180219	50-271 S
7812180222*	50-271 S
7812180237	50-271 S
7812180241*	50-271 S
7812270276	50-271 F
7810240145	50-271 P
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7810100074	50-280 S
7810100079*	50-280 S
7810110127	50-280 S
7810110132*	50-280 S
7810110149	50-338 P
7810110149	50-338 P
7810110162	50-338 J
7810110162	50-338 J
7810120034	50-280 P
7810130140	50-338 S
7810130141	50-338 G
7810130145*	50-338 S
7810130148*	50-338 S
7810160139	50-280 P
7810160198	50-280 P
7810170109	50-404 A
7810170163	50-338 P
7810180119	50-280 P
7810180119	50-280 P
7810180121*	50-280 P
7810180139	50-338 J
7810200054	50-339 A
7810200058*	50-339 A
7810200073	50-338 P
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7810260135*	50-338 S
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	7810310252*	50-338 S
	7811010415*	50-280 Q
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	7811210294*	50-338 S
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	7811210313	50-338 S
	7811210318*	50-338 S

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7811210399 50-339 G
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Virginia, State of

Virginia, Univ. of

Vollen, R. J. & Whicker, J. M.
Wald, Markrader & Ross
Washington Public Power Supply System

Washington, State of

Watts, A. R.
Westinghouse Electric Corp

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7811240165	50-445	A
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7812191040	50-545	A
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7810240016*	50-440	A
7810170153	50-266	P
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7810230272	50-266	P
7810230272	50-266	P
7810250086	50-502	A
7810250108	50-502	A
7811070374	50-266	Q
7811130203	50-266	Q
7811140102	50-502	A
7811140108*	50-502	A
7811140124	50-266	P
7811140124	50-266	P
7811140171	50-502	B
7811140173*	50-502	B
7811140174	50-266	R
7811140178*	50-266	R
7811150167	50-266	F
7811150173*	50-266	F
7811150262	50-266	Q
7811210347	50-301	B
7811210393	50-266	B
7811240119	50-266	Q
7811240130	50-301	B
7811240131	50-301	B
7811240134*	50-301	B
7811240136*	50-301	B
7811240149	50-266	B
7811240155	50-266	B
7811240158*	50-266	B
7811280229	50-266	P
7811280240	50-302	B
7811300179	50-502	A
7812010225	50-266	P
7812050049	50-266	Q
7812050049	50-266	Q
7812050101	50-266	P
7812050188	50-301	P
7812060253	50-502	A
7812110110	50-502	A
7812110189	50-266	B
7812120085	50-266	R
7812120087*	50-266	R
7812120084*	50-302	Q
7812190305	50-502	A
7812260169	50-266	F
7812260169	50-266	F
7812260170*	50-266	F
7812260172*	50-266	F
7812270157	50-502	C
7812270158*	50-502	C
7812270452	50-306	Q
7812010079	50-305	Q
7810100055	50-305	Q

Y I, Inc.
Yankee Atomic Electric Co.

7810100063	50-305	B
7810100927	50-305	P
781010150	50-305	P
7810120041	50-305	P
7810150149	50-305	S
7810170156	50-305	R
7810170159*	50-305	S
7810230247	50-305	S
7810230251*	50-305	S
7810240128	50-305	S
7810240138*	50-305	S
7810270139	50-305	P
7810300103	50-305	F
7811070227	50-305	S
7811140116	50-305	R
7811140118*	50-305	R
7811140196	50-305	P
78111280156	50-305	S
78111280199*	50-305	S
78111280299	50-305	S
78111280303*	50-305	S
78111280310*	50-305	S
7810280108	50-305	P
7812130220	50-305	S
7812150232	50-305	S
7812150234*	50-305	S
7812210194	50-305	F
7812270171	50-305	P
7810190085	50-266	Q
7810190089	50-266	Q
7810190088*	50-266	Q
7811200040	50-266	Q
7812130087*	50-502	Q
7812220627	50-305	Q
7812220029*	50-305	Q
7812220031*	50-305	Q
7812270050	50-266	Q
7811200092*	50-346	Q
7811240038	50-134	V
7812080205*	50-546	A
7810101063	50-29	P
7810110177	50-29	P
7810130127	50-29	P
7810170176	50-29	R
7810170178*	50-29	R
7810180008	50-29	S
7810180009*	50-29	S
7810180013	50-29	S
7810180017*	50-29	S
7810200051	50-29	F
7810240089	50-29	P
7810240152	50-29	S
7810240154*	50-29	S
7810240156	50-29	S
7810240165*	50-29	S
7811020246	50-29	P
7811020277	50-29	P
7811090143	50-29	S
7811090150*	50-443	S
7811090150*	50-443	S
7811140120	50-29	R
7811140122*	50-29	R
7811140190	50-29	P
7811170200	50-29	S
7811170201	50-29	F
7811170211	50-29	P
7811210317	50-29	S
7811210325*	50-29	S
7811240167	50-29	F
7811240238	50-29	F
7811260221	50-29	F
7811280284	50-29	S
7811280290*	50-29	S
7811280314	50-29	S
7811280323*	50-29	S
7811280328	50-29	S
7811280332*	50-29	S
7811280473	50-29	S
7811290198	50-29	S
7811290203*	50-29	S
7811290255	50-29	S
7811290344*	50-443	S
7811290344*	50-443	S
7811300378	50-29	S

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY	
	7812010146	50-29	O
	7812010224	50-29	S
	7812040171	50-29	P
	7812040234	50-29	P
	7812050128	50-29	F

AUTHOR AFFILIATION	ACCESSION NUMBER	SUBJECT CATEGORY	
	7812090116	50-29	P
	7812140143	50-29	P
	7812150286	50-29	R
	7812150288	50-29	R
	7812190087	50-29	F
	7812200230	50-29	P

REPORT NUMBER INDEX

The subject category column in this index gives the docket number and the symbol for the category of information within that docket; for example, 50-320 P. The docket subject categories are defined in Appendix A.

Subject categories for nondocketed items are also entered in this column by symbol; for example, ACRS. These categories are defined in Appendix B and listed in the Contents.

An asterisk following the accession number in this index indicates that the document is an enclosure to another document. To obtain the accession number of the principal document under which the enclosure is listed, refer to the index entitled "Cross Reference of Enclosures to Principal Documents."

REPORT NUMBER	ACCESSION NUMBER	SUBJECT CATEGORY	OTHER REPORT NUMBER
108-78/MI70PF	7812270181*	50-315 P	
5182-087-09	7810120070*	50-395 A	
7811210046	7811210046	50-416 A	
7812130386	7812130386	50-305 P	
BAW-1504	7811160064*	50-313 P	
CEN-039(A)-NP	7810190089*	50-368 P	
CEN-039(A)-NP / 1	7810190090*	50-368 P	
CEN-071(A)-NP / 1	7810190092*	50-368 P	
CEN-077(M)-NP	7812300223*	50-309 P	
CEN-093(M)-NP	7811150099*	50-309 P	
CEN-1-4(N)-NP	7812280142*	50-336 Q	
E2A4365	7812010249*	50-447 A	
FBDU-247-01	7811200221*	50-201 P	
IWL-6343-432	7811020312*	50-338 R	
NEDC-21974	7811270099*	50-155 P	NUS3204
NEDD-23978	7812110116*	50-447 A	
NEDD-24048	7810300138*	50-447 A	
NEDD-24083	7812270172	50-447 A	78NED282
NEDD-24129-1 801	7810170114*	50-333 P	
NEDD-24129-2 802	7812120082*	50-333 P	
NEDD-24136 R01	7812030251*	50-259 P	
NEB 81A0095 R01	7810160146*	50-409 P	
NEB 81A0348 R01	7810160151*	50-409 P	
NEBB1A0032	7812080140*	50-409 P	
NNI-77-7NP	7811220191*	50-220 P	

REPORT NUMBER	ACCESSION NUMBER	SUBJECT CATEGORY	OTHER REPORT NUMBER
NUREQ-0036 ADD DRAFT	7811170341	50-437 D	
NUREQ-0309 801	7811060070*	50-322 E	
NUREQ-0428	7811210199	50-466 D	
NUREQ-0437	7811210069	50-373 D	
NUREQ-0455	7811210428	50-382 D	
NUREQ-0469	7811020010*	50-382 E	
NUREQ-0470	7812270414	50-466 D	
NUREQ-0473 DRAFT	7811280104*	50-373 A	
NUREQ-0483 VOI	7811100109*	50-10 P	
NUREQ-0486	7811100033	50-373 D	
NUREQ-0490	7812040263	50-361 D	
NUREQ-0491	7811280090	50-272 E	
P77-54-19	7812080136*	50-272 R	
RH-78-4-801	7810280122*	50-327 A	
SCC-1-A	7812130210*	50-361 A	
SECY-78-553	7811200239*	50-437 A	
SECY-R-73-684	7811200086*	50-437 A	
SECY-R-74-072	7811200279*	50-437 A	
HARD-D-0165 R01	7810170259*	50-337 A	
HARD-D-0178	7812200251*	50-337 A	
HARD-D-0218	7812200247*	50-337 A	
HCAP-6587 801 R01	7811240165	50-445 A	
HCAP-9212	7812080142*	50-306 P	
HCAP-9331	7811140131*	50-266 P	E12P-102
HCAP-9357	7811140133*	50-266 P	
WM28-1-45-102	7811150196*	50-327 A	

CROSS REFERENCE OF ENCLOSURES TO PRINCIPAL DOCUMENTS

Items listed as enclosures are those indicated by an asterisk following the accession number in the indexes. The second column gives the accession number of the principal document under which the enclosure is listed. Knowing the accession number of the principal document, the date issued, and the category enables locating the title listing of the enclosure.

The subject category column in this index gives the docket number and the symbol for the category of information within that docket; for example, 50-320 P. The docket subject categories are defined in Appendix A.

Subject categories for nondocketed items are also entered in this column by symbol; for example, ACRS. These categories are defined in Appendix B and listed in the Contents.

ACCESSION NUMBER			
ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY
7809180839	7809180832	78/09/08	50-13 J
7810100004	7810100003	78/09/26	50-409 P
7810100004	7810100002	78/09/29	50-296 S
7810100014	7810100010	78/10/03	50-285 S
7810100019	7810100015	78/10/02	50-285 S
7810100021	7810100016	78/07/20	50-312 S
7810100026	7810100022	78/10/03	50-333 S
7810100032	7810100029	78/10/03	50-324 S
7810100033	7810100028	78/10/03	50-272 S
7810100034	7810100030	78/09/25	50-334 S
7810100040	7810100036	78/10/02	50-259 S
7810100041	7810100037	78/10/03	50-272 S
7810100045	7810100039	78/09/21	50-321 F
7810100047	7810100042	78/09/29	50-296 S
7810100048	7810100043	78/10/02	50-281 S
7810100053	7810100049	78/10/03	50-325 S
7810100054	7810100050	78/07/06	50-312 S
7810100058	7810100051	78/09/26	50-317 S
7810100059	7810100054	78/09/29	50-220 S
7810100062	7810100055	78/10/02	50-355 S
7810100063	7810100060	78/09/29	50-346 S
7810100064	7810100064	78/09/29	50-316 S
7810100065	7810100057	78/10/03	50-281 S
7810100068	7810100064	78/09/29	50-316 S
7810100069	7810100061	78/08/15	50-312 S
7810100071	7810100067	78/09/27	50-247 S
7810100072	7810100066	78/10/02	50-348 S
7810100075	7810100070	78/09/29	50-219 S
7810100077	7810100073	78/07/17	50-312 S
7810100079	7810100074	78/10/03	50-280 S
7810100080	7810100076	78/09/27	50-320 S
7810100086	7810100085	78/10/02	50-348 S
7810100089	7810100087	78/10/03	50-272 S
7810100092	7810100091	78/09/27	50-335 S
7810100093	7810100091	78/09/27	50-335 S
7810100094	7810100091	78/09/27	50-335 S
7810100095	7810100088	78/09/26	50-320 S
7810100097	7810100091	78/09/27	50-335 S
7810100099	7810100090	78/09/28	50-289 S
7810100100	7810100098	78/10/03	50-286 S
7810100102	7810100091	78/09/25	50-335 S
7810100043	7810100041	78/10/03	50-281 P
7810100044	7810100041	78/10/03	50-281 P
7810100045	7810100041	78/10/03	50-281 P
7810100046	7810100041	78/10/03	50-281 P
7810100047	7810100041	78/10/03	50-281 P
7810100048	7810100041	78/10/03	50-281 P
7810100049	7810100041	78/10/03	50-281 P
7810100050	7810100041	78/10/03	50-281 P
7810100051	7810100041	78/10/03	50-281 P
7810100052	7810100041	78/10/03	50-281 P
7810100053	7810100041	78/10/03	50-281 P
7810100054	7810100041	78/10/03	50-281 P
7810100055	7810100041	78/10/03	50-281 P
7810100056	7810100041	78/10/03	50-281 P
7810100057	7810100041	78/10/03	50-281 P
7810100058	7810100041	78/10/03	50-281 P
7810100059	7810100041	78/10/03	50-281 P
7810100060	7810100041	78/10/03	50-281 P
7810100061	7810100041	78/10/03	50-281 P
7810100062	7810100041	78/10/03	50-281 P
7810100063	7810100041	78/10/03	50-281 P
7810100064	7810100041	78/10/03	50-281 P
7810100065	7810100041	78/10/03	50-281 P
7810100066	7810100041	78/10/03	50-281 P
7810100067	7810100041	78/10/03	50-281 P
7810100068	7810100041	78/10/03	50-281 P
7810100069	7810100041	78/10/03	50-281 P
7810100070	7810100041	78/10/03	50-281 P

ACCESSION NUMBER			
ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY
7810100075	7810100070	78/09/26	50-243 P
7810100076	7810100070	78/09/26	50-243 P
7810100083	7810100082	78/10/02	50-320 S
7810100092	7810100090	78/09/29	50-287 P
7810101001	7810100098	78/10/03	50-264 J
7810101003	7810101000	78/09/29	50-285 S
7810101006	7810101004	78/10/03	50-155 S
7810101014	7810101012	78/10/06	50-285 S
7810101017	7810101013	78/09/21	50-285 S
7810101020	7810101016	78/10/03	50-302 S
7810101022	7810101019	78/10/04	50-255 R
7810101026	7810101024	78/09/30	50-312 R
7810101029	7810101025	78/10/04	50-336 S
7810101032	7810101027	78/10/06	50-280 S
7810101034	7810101030	78/10/04	50-320 S
7810101039	7810101037	78/09/28	50-368 S
7810101046	7810101043	78/10/04	50-331 J
7810101047	7810101045	78/10/03	50-369 A
7810101052	7810101051	78/10/02	50-302 S
7810101055	7810101053	78/10/04	50-247 S
7810101073	7810101070	78/10/03	50-302 S
7810101074	7810101069	78/10/06	50-317 S
7810101081	7810101078	78/09/07	50-367 S
7810101083	7810101080	78/10/06	50-263 S
7810101084	7810101078	78/09/07	50-367 S
7810101085	7810101082	78/09/06	50-305 S
7810101092	7810101084	78/10/03	50-315 S
7810101093	7810101089	78/10/03	50-285 R
7810101094	7810101090	78/08/28	50-438 S
7810101096	7810101087	78/10/02	50-83 S
7810101098	7810101087	78/10/02	50-83 S
7810102001	7810101087	78/10/02	50-83 S
7810102003	7810102000	78/10/04	50-70 P
7810102004	7810101087	78/10/02	50-83 S
7810102005	7810102000	78/10/04	50-70 P
7810102006	7810102002	78/09/28	50-460 S
7810102007	7810102000	78/10/04	50-70 P
7810102012	7810102008	78/09/08	50-361 S
7810102023	7810102019	78/09/27	50-280 S
7810102029	7810102026	78/09/28	50-261 S
7810102031	7810102026	78/09/28	50-261 S
7810102033	7810102026	78/09/28	50-261 S
7810102036	7810102026	78/09/28	50-261 S
7810102037	7810102035	78/09/30	50-445 S
7810102038	7810102034	78/09/29	50-466 S
7810102041	7810102034	78/09/29	50-466 S
7810102042	7810102040	78/09/27	50-324 S
7810102045	7810102040	78/09/27	50-324 S
7810102049	7810102040	78/09/27	50-324 S
7810102050	7810102034	78/09/29	50-466 S

ACCESSION NUMBER				SUBJECT CATEGORY	
ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED			
7810110251	7810110247	78/10/02	50-250	Q	
7810110252	7810110248	78/09/27	50-255	A	
7810110253	7810110249	78/09/29	50-324	Q	
7810110254	7810110247	78/10/02	50-250	Q	
7810110259	7810110255	78/09/07	50-344	Q	
7810110261	7810110257	78/09/13	50-440	Q	
7810110262	7810110247	78/10/02	50-250	Q	
7810110264	7810110260	78/09/19	50-267	Q	
7810110266	7810110263	78/09/08	50-346	Q	
7810110270	7810110263	78/09/08	50-346	Q	
7810110272	7810110267	78/09/26	50-458	Q	
7810110274	7810110269	78/09/07	50-358	Q	
7810110286	7810110283	78/09/01	50-259	Q	
7810110290	7810110284	78/09/01	50-338	Q	
7810110291	7810110287	78/09/27	50-324	Q	
7810110295	7810110287	78/09/27	50-324	Q	
7810110299	7810110287	78/09/27	50-324	Q	
7810110301	7810110296	78/09/25	50-313	Q	
7810110302	7810110287	78/09/27	50-324	Q	
7810110303	7810110298	78/08/30	50-366	Q	
7810110306	7810110304	78/08/18	50-267	Q	
7810110308	7810110304	78/08/18	50-267	Q	
7810120004	7810110265	78/08/31	50-259	Q	
7810120014	7810120012	78/08/29	50-298	Q	
7810120016	7810120012	78/08/29	50-298	Q	
7810120023	7810120022	78/10/04	50-250	P	
7810120031	7810120029	78/10/09	50-282	R	
7810120032	7810120030	78/10/09	50-263	R	
7810120033	7810120029	78/10/09	50-282	R	
7810120039	7810120033	78/10/03	50-409	R	
7810120042	7810120041	78/10/05	50-305	P	
7810120046	7810120045	78/10/06	50-333	S	
7810120051	7810120049	78/10/02	50-335	S	
7810120052	7810120050	78/09/30	50-251	S	
7810120057	7810120054	78/10/02	50-335	S	
7810120060	7810120058	78/10/03	50-286	S	
7810120064	7810120063	78/10/03	50-267	P	
7810120067	7810120062	78/10/02	50-316	P	
7810120070	7810120137	78/10/02	50-395	A	
7810120076	7810120071	78/10/03	50-219	S	
7810120077	7810120072	78/10/05	50-329	A	
7810120078	7810120074	78/10/04	50-346	S	
7810120079	7810120073	78/10/06	50-333	S	
7810120081	7810120075	78/09/27	50-250	F	
7810120084	7810120074	78/10/04	50-346	Q	
7810120085	7810120069	78/09/28	50-387	S	
7810120092	7810120087	78/08/29	50-339	Q	
7810120096	7810120089	78/10/04	50-245	S	
7810120111	7810120108	78/10/05	50-349	A	
7810130033	7810130029	77/10/05	50-341	A	
7810130047	7810130043	78/09/27	50-366	Q	
7810130049	7810130045	78/08/11	50-313	Q	
7810130051	7810130043	78/09/27	50-366	Q	
7810130053	7810130045	78/08/11	50-313	Q	
7810130060	7810130056	78/09/27	50-269	Q	
7810130064	7810130056	78/09/27	50-269	Q	
7810130072	7810130068	78/09/26	50-348	Q	
7810130077	7810130068	78/09/26	50-348	Q	
7810130095	7810130092	78/09/27	50-321	Q	
7810130098	7810130096	78/09/26	50-413	Q	
7810130099	7810130092	78/09/27	50-321	Q	
7810130101	7810130096	78/09/26	50-413	Q	
7810130108	7810110131	78/10/06	50-395	C	
7810130113	7810130046	78/09/29	50-395	Q	
7810130124	7810130121	78/10/10	50-324	R	
7810130126	7810130125	78/10/09	50-285	R	
7810130132	7810130128	78/10/05	50-333	R	
7810130135	7810130131	78/10/05	50-312	S	
7810130144	7810130142	78/10/06	50-346	R	
7810130145	7810130140	78/10/10	50-338	S	
7810130148	7810130140	78/10/10	50-338	S	
7810130150	7810130147	78/10/10	50-344	Q	
7810130156	7810130152	78/10/09	50-325	S	
7810130160	7810130159	78/10/02	50-206	R	
7810130161	7810130157	78/10/06	50-380	A	
7810130162	7810130158	78/10/10	50-325	S	
7810130163	7810130155	78/10/04	50-277	S	
7810130169	7810130166	78/10/06	50-213	S	
7810130170	7810130165	78/10/02	50-237	S	
7810130175	7810130171	78/10/09	50-155	S	

ACCESSION NUMBER				SUBJECT CATEGORY	
ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED			
7810130176	7810130173	78/10/09	50-317	S	
7810130179	7810130171	78/10/09	50-155	S	
7810130180	7810130167	78/10/01	50-286	R	
7810130181	7810130177	78/10/04	50-324	S	
7810130183	7810130171	78/10/09	50-155	S	
7810130187	7810110248	78/09/29	50-556	Q	
7810130202	7810130200	78/09/29	50-259	P	
7810130205	7810130200	78/09/29	50-259	P	
7810130210	7810130200	78/09/29	50-259	P	
7810130219	7810310110	78/10/10	50-400	A	
7810130232	7811010390	78/10/03	50-277	P	
7810130247	7810130245	78/10/05	50-112	Q	
7810140015	7810130266	78/09/29	50-298	P	
7810140016	7810140009	78/10/06	50-533	Q	
7810140018	7810130266	78/09/29	50-298	P	
7810140021	7810130266	78/09/29	50-298	P	
7810140024	7810130266	78/09/29	50-298	P	
7810140026	7810130252	78/10/02	50-536	Q	
7810140039	7810140036	78/10/06	50-213	U	
7810140043	7810140036	78/10/06	50-213	U	
7810140045	7810140036	78/10/06	50-213	U	
7810140048	7810140036	78/10/06	50-213	U	
7810140049	7810140046	78/10/04	50-321	P	
7810140051	7800140046	78/10/04	50-321	P	
7810140053	7810140046	78/10/04	50-321	P	
7810140056	7810110037	78/09/29	50-466	Q	
7810140060	7810140057	78/10/02	50-297	Q	
7810140062	7810120024	78/10/09	50-498	K	
7810140063	7810140030	78/09/28	50-488	Q	
7810140064	7810110037	78/09/29	50-466	Q	
7810140066	7810140030	78/09/28	50-488	Q	
7810140092	7810140089	78/08/22	50-313	Q	
7810140123	7810140122	78/09/13	50-344	Q	
7810140133	7810140132	78/08/22	50-298	Q	
7810160013	7810160009	78/10/10	50-471	A	
7810160082	7810160080	78/09/28	50-293	Q	
7810160090	7810160084	78/10/10	50-272	R	
7810160094	7810160081	78/10/03	50-302	R	
7810160103	7810160100	78/10/01	50-267	R	
7810160109	7810160106	78/10/10	50-259	R	
7810160110	7810160105	78/10/06	50-247	S	
7810160111	7810160108	78/10/12	50-244	P	
7810160113	7810160105	78/10/06	50-247	S	
7810160116	7810160114	78/10/10	50-334	R	
7810160120	7810160115	78/10/10	50-219	P	
7810160121	7810160119	78/10/06	50-220	R	
7810160123	7810160117	78/10/10	50-245	S	
7810160127	7810160124	78/10/11	50-346	S	
7810160130	7810160126	78/10/10	50-336	R	
7810160134	7810160132	78/10/10	50-466	H	
7810160140	7810160137	78/10/11	50-346	S	
7810160141	7810160138	78/10/06	50-247	S	
7810160146	7810160142	78/10/04	50-409	P	
7810160149	7810160147	78/10/10	50-261	R	
7810160151	7810160142	78/10/04	50-409	P	
7810160155	7810160105	78/10/06	50-247	S	
7810160197	7810160196	78/09/29	50-329	Q	
7810170004	7810160019	78/10/02	50-305	Q	
7810170111	7810170108	78/10/13	50-333	P	
7810170114	7810170108	78/10/13	50-333	P	
7810170133	7810170132	78/10/11	50-272	P	
7810170134	7810170132	78/10/11	50-311	A	
7810170135	7810170132	78/10/11	50-272	P	
7810170145	7810170144	78/10/10	50-344	R	
7810170146	7810170143	78/10/06	50-313	S	
7810170148	7810170147	78/10/10	50-320	R	
7810170149	7810170143	78/10/06	50-313	S	
7810170151	7810170150	78/10/10	50-309	R	
7810170159	7810170156	78/10/10	50-305	R	
7810170161	7810170158	78/10/10	50-259	R	
7810170164	7810170160	78/09/27	50-471	A	
7810170168	7810170165	78/10/12	50-391	K	
7810170170	7810170166	78/09/21	50-366	K	
7810170173	7810170171	78/10/09	50-266	R	
7810170178	7810170176	78/10/10	50-29	R	
7810170180	7810170172	78/09/29	50-265	S	
7810170187	7810170181	78/09/21	50-295	S	
7810170189	7810170184	78/09/15	50-295	S	
7810170191	7810200045	78/10/11	50-290	P	
7810170193	7810170192	78/10/10	50-271	R	

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7810170194	7810200045	78/10/16	50-250 P
7810170196	7810170190	78/10/06	50-368 B
7810170201	7810170199	78/10/05	50-312 B
7810170202	7810170198	78/09/26	50-265 B
7810170203	7810170195	78/10/06	50-249 B
7810170211	7810170208	78/09/08	50-304 B
7810170212	7810170207	78/09/22	50-295 B
7810170215	7810170213	78/10/06	50-244 R
7810170216	7810170204	78/10/03	50-10 B
7810170222	7810170218	78/10/05	50-304 B
7810170223	7810170214	78/09/29	50-295 B
7810170227	7810170219	78/09/23	50-295 B
7810170228	7810170225	78/09/26	50-295 B
7810170230	7810170226	78/09/26	50-366 B
7810170234	7810170231	78/10/06	50-295 B
7810170235	7810170232	78/10/05	50-254 B
7810170237	7810170233	78/09/23	50-321 B
7810170238	7810170236	78/09/20	50-366 B
7810170242	7810170239	78/10/06	50-304 B
7810170245	7810170243	78/10/05	50-335 B
7810170246	7810170241	78/10/02	50-295 B
7810170248	7810170244	78/09/25	50-255 B
7810170252	7810170249	78/10/11	50-302 B
7810170253	7810170251	78/09/25	50-304 B
7810170258	7810170255	78/09/25	50-366 B
7810170259	7810170154	78/10/06	50-537 A
7810170261	7810170256	78/09/25	50-321 B
7810170262	7810170099	78/10/12	50-263 P
7810170263	7810170182	78/10/11	50-244 B
7810170268	7810170291	78/09/25	50-321 B
7810170299	7810170268	78/10/05	50-298 B
7810170313	7810170309	78/10/04	50-366 B
7810170314	7810170312	78/10/04	50-366 B
7810170315	7810170311	78/09/29	50-366 B
7810170321	7810170318	78/10/03	50-366 B
7810170326	7810170322	78/10/03	50-366 B
7810180003	7810180001	78/10/06	50-366 B
7810180004	7810180002	78/10/03	50-316 B
7810180005	7810180002	78/10/03	50-316 B
7810180007	7810180006	78/10/12	50-219 B
7810180009	7810180008	78/10/13	50-29 B
7810180011	7810180010	78/10/06	50-321 B
7810180013	7810180012	78/09/26	50-282 B
7810180014	7810170329	78/09/29	50-321 B
7810180017	7810180015	78/10/13	50-29 B
7810180018	7810180016	78/09/27	50-316 B
7810180022	7810180019	78/10/02	50-366 B
7810180024	7810180020	78/10/09	50-366 B
7810180025	7810180021	78/10/12	50-306 B
7810180026	7810180023	78/10/05	50-366 B
7810180030	7810180027	78/10/11	50-316 B
7810180032	7810180030	78/10/11	50-316 B
7810180033	7810180031	78/09/27	50-366 B
7810180035	7810180028	78/10/11	50-133 B
7810180036	7810180034	78/09/12	50-306 B
7810180039	7810180037	78/10/03	50-366 B
7810180040	7810180038	78/10/04	50-266 B
7810180042	7810180041	78/09/27	50-346 B
7810180046	7810180043	78/09/12	50-266 B
7810180049	7810130164	78/10/06	50-295 B
7810180082	7810180079	78/10/12	50-348 B
7810180090	7810180086	78/10/13	50-373 J
7810180100	7810180097	78/10/10	50-348 B
7810180102	7810180099	78/10/05	50-301 R
7810180104	7810180101	78/10/12	50-10 R
7810180107	7810180105	78/10/12	50-302 B
7810180109	7810180106	78/09/27	50-315 B
7810180111	7810180110	78/10/13	50-302 B
7810180114	7810180112	78/09/27	50-321 B
7810180118	7810180116	78/09/29	50-366 B
7810180121	7810180119	78/10/13	50-280 P
7810180122	7810180120	78/10/03	50-366 B
7810180125	7810180123	78/10/09	50-133 R
7810180131	7810180130	78/10/01	50-293 R
7810180136	7810180134	78/10/13	50-213 R
7810180140	7810180139	78/10/11	50-338 J
7810180142	7810180138	78/10/13	50-260 B
7810180149	7810180145	78/10/11	50-348 B
7810180150	7810180148	78/10/16	50-244 P
7810180152	7810180147	78/10/12	50-302 B

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7810180154	7810180151	78/10/12	50-348 B
7810180155	7810180153	78/10/12	50-302 B
7810180158	7810180106	78/09/27	50-315 B
7810180162	7810180159	78/10/11	50-285 B
7810180168	7810180165	78/09/29	50-320 B
7810180174	7810180171	78/10/05	50-320 B
7810180179	7810180177	78/09/05	50-244 Q
7810180181	7810180178	78/09/06	50-20 Q
7810180192	7810180189	78/09/08	50-335 Q
7810180209	7810180206	78/08/25	50-368 Q
7810180215	7810180210	78/09/28	50-334 Q
7810180217	7810180210	78/09/28	50-334 Q
7810190001	7810180221	78/10/03	50-320 Q
7810190005	7810180221	78/10/03	50-320 Q
7810190006	7810180221	78/10/03	50-320 Q
7810190007	7810180221	78/10/03	50-320 Q
7810190015	7810190012	78/10/02	50-549 Q
7810190018	7810190012	78/10/02	50-549 Q
7810190021	7810190012	78/10/02	50-549 Q
7810190024	7810190012	78/10/02	50-549 Q
7810190029	7810190026	78/09/12	50-305 Q
7810190030	7810190027	78/10/04	50-369 Q
7810190051	7810190057	78/09/05	50-390 Q
7810190059	7810190068	78/10/18	50-244 P
7810190088	7810190085	78/10/02	50-266 Q
7810190089	7810190087	78/10/12	50-368 P
7810190090	7810190087	78/10/12	50-368 P
7810190092	7810190087	78/10/12	50-368 P
7810190093	7810190091	78/09/14	50-397 Q
7810190107	7810190104	78/09/29	50-57 Q
7810190116	7810190104	78/09/29	50-57 Q
7810190133	7810190130	78/10/11	50-266 P
7810190136	7810190130	78/10/11	50-266 P
7810190169	7810190158	78/10/06	50-29 P
7810190175	7810190158	78/10/06	50-29 P
7810190177	7810190027	78/10/04	50-369 Q
7810190182	7810190158	78/10/06	50-29 P
7810190198	7810190197	78/09/29	50-549 Q
7810190200	7810190197	78/09/29	50-549 Q
7810190204	7810190197	78/09/29	50-549 Q
7810190206	7810190197	78/09/29	50-549 Q
7810190214	7810190197	78/09/29	50-549 Q
7810190220	7810190202	78/09/08	50-484 Q
7810190236	7810190234	78/10/10	50-155 Q
7810190237	7810190233	78/10/04	50-255 R
7810190239	7810190229	78/10/02	50-395 Q
7810190240	7810190233	78/10/04	50-235 R
7810190243	7810190219	78/08/31	50-454 Q
7810190247	7810190234	78/10/10	50-155 Q
7810190252	7810190219	78/08/31	50-454 Q
7810190262	7810190257	78/09/28	50-275 Q
7810190267	7810190257	78/09/28	50-275 Q
7810190269	7810190257	78/09/28	50-275 Q
7810200021	7810200017	78/10/02	50-193 P
7810200024	7810200017	78/10/02	50-193 P
7810200029	7810200026	78/09/25	50-206 P
7810200031	7810200026	78/09/25	50-206 P
7810200050	7810200047	78/10/17	50-334 P
7810200056	7810200053	78/10/10	50-316 R
7810200058	7810200054	78/10/16	50-339 A
7810200059	7810240038	78/10/05	50-516 R
7810200063	7810200061	78/10/11	50-331 R
7810200070	7810200067	78/10/10	50-313 R
7810200072	7810200071	78/10/12	50-245 S
7810200075	7810200045	78/09/13	50-250 P
7810200080	7810200078	78/10/13	50-263 P
7810200081	7810200077	78/10/16	50-348 B
7810200083	7810200082	78/10/16	50-269 R
7810200085	7810200077	78/10/16	50-348 B
7810200088	7810200087	78/10/13	50-245 R
7810200089	7810200077	78/10/16	50-348 B
7810200096	7810200093	78/10/11	50-251 B
7810200097	7810200092	78/10/13	50-237 B
7810200106	7810200104	78/10/16	50-312 B
7810200108	7810200107	78/10/16	50-344 B
7810200112	7810200109	78/10/17	50-281 B
7810200117	7810200114	78/10/11	50-251 B
7810200125	7810200110	78/10/17	50-280 B
7810200128	7810200119	78/10/16	50-272 B
7810200138	7810200132	78/08/09	50-302 B

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7810200170	7810200162	78/10/04	50-269	B
7810200182	7810200177	78/10/06	50-483	Q
7810200199	7810200196	78/10/10	50-261	P
7810200201	7810200194	78/10/10	50-261	P
7810230016	7810230011	78/10/10	50-277	P
7810230018	7810200240	78/10/08	50-466	Q
7810230019	7810230011	78/10/10	50-277	P
7810230020	7810230013	78/10/11	50-261	Q
7810230023	7810230013	78/10/11	50-261	Q
7810230024	7810230011	78/10/10	50-277	P
7810230025	7810230013	78/10/11	50-261	Q
7810230027	7810230013	78/10/11	50-261	Q
7810230028	7810230011	78/10/10	50-277	P
7810230030	7810230026	77/11/11	50-70	Q
7810230033	7810230029	78/10/10	50-369	Q
7810230036	7810230029	78/10/10	50-369	Q
7810230042	7810230038	78/10/06	50-275	A
7810230043	7810230039	78/10/10	50-271	P
7810230044	7810230039	78/10/10	50-271	P
7810230048	7810230039	78/10/10	50-271	P
7810230052	7810230049	78/10/10	50-335	Q
7810230058	7810200258	78/10/11	50-369	Q
7810230059	7810230049	78/10/10	50-335	Q
7810230061	7810200258	78/10/11	50-369	Q
7810230064	7810200258	78/10/11	50-369	Q
7810230067	7810200258	78/10/11	50-369	Q
7810230068	7810230049	78/10/10	50-335	Q
7810230072	7810230049	78/10/10	50-335	Q
7810230092	7810230090	78/09/20	50-70	Q
7810230094	7810230091	78/09/22	50-508	Q
7810230133	7810230130	78/10/11	50-322	Q
7810230146	7810230143	78/10/11	50-324	B
7810230150	7810230149	78/10/16	50-247	R
7810230167	7810230164	78/10/13	50-277	R
7810230169	7810230166	78/10/13	50-335	B
7810230174	7810230171	78/10/16	50-338	R
7810230176	7810230175	78/10/13	50-321	S
7810230182	7810230178	78/10/15	50-317	R
7810230183	7810230177	78/10/18	50-316	B
7810230185	7810230177	78/10/18	50-316	B
7810230187	7810230184	78/10/13	50-280	R
7810230189	7810230186	78/10/18	50-333	B
7810230190	7810230188	78/10/13	50-366	B
7810230195	7810230193	78/10/11	50-324	B
7810230196	7810230192	78/10/17	50-329	K
7810230202	7810230198	78/10/18	50-315	B
7810230210	7810230207	78/10/13	50-245	B
7810230213	7810230209	78/10/04	50-299	Q
7810230223	7810230214	78/10/10	50-413	Q
7810230224	7810230218	78/10/11	50-338	Q
7810230227	7810230226	78/10/06	50-239	Q
7810230230	7810230226	78/10/06	50-239	Q
7810230237	7810230218	78/10/11	50-338	Q
7810230241	7810230218	78/10/11	50-338	Q
7810230249	7810230243	78/10/18	50-272	B
7810230251	7810230247	78/10/09	50-305	B
7810230253	7810230250	78/10/13	50-251	B
7810230255	7810230252	78/10/18	50-272	B
7810230258	7810230181	78/10/16	50-373	A
7810230260	7810230254	78/10/16	50-338	B
7810230261	7810230259	78/10/12	50-219	R
7810230262	7810230257	78/10/12	50-281	B
7810230265	7810230253	78/10/18	50-333	B
7810230273	7810230271	78/10/05	50-313	P
7810230275	7810230269	78/10/13	50-346	B
7810230279	7810230271	78/10/05	50-313	P
7810230281	7810230271	78/10/05	50-313	P
7810230283	7810230277	78/10/12	50-312	B
7810230291	7810230283	78/10/12	50-338	B
7810230296	7810230293	78/10/04	50-368	P
7810230301	7810230293	78/10/04	50-368	P
7810230304	7810230293	78/10/18	50-272	B
7810230309	7810230293	78/10/04	50-368	P
7810230310	7810230308	78/10/18	50-333	B
7810230339	7810230329	78/10/02	50-335	Q
7810230345	7810230329	78/10/02	50-335	Q
7810240005	7810240003	78/10/13	50-437	A
7810240011	7810240009	78/10/17	50-440	A
7810240014	7810240009	78/10/17	50-440	A
7810240017	7810240013	78/10/13	50-329	A

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7810240035	7810240032	78/01/19	50-315	Q
7810240071	7810240067	78/10/10	50-250	Q
7810240075	7810240067	78/10/10	50-250	Q
7810240077	7810240062	78/10/16	50-269	R
7810240094	7810240092	78/09/18	50-133	Q
7810240102	7810240100	78/10/12	50-249	B
7810240107	7810240103	78/10/16	50-219	B
7810240113	7810240111	78/10/20	50-133	P
7810240121	7810240116	78/10/12	50-249	B
7810240124	7810240118	78/10/17	50-302	B
7810240126	7810240122	78/10/19	50-333	B
7810240129	7810240125	78/10/13	50-320	B
7810240134	7810240131	78/10/16	50-320	B
7810240137	7810240115	78/10/17	50-488	H
7810240138	7810240128	78/10/18	50-305	B
7810240139	7810240133	78/10/19	50-333	B
7810240141	7810240136	78/10/17	50-249	B
7810240150	7810240148	78/10/12	50-10	B
7810240151	7810240146	78/10/20	50-296	B
7810240154	7810240152	78/10/18	50-29	B
7810240162	7810240160	78/10/17	50-302	B
7810240165	7810240156	78/10/18	50-29	B
7810240207	7810240204	78/09/13	50-390	Q
7810240208	7810240067	78/10/10	50-250	Q
7810240210	7810240204	78/09/13	50-390	Q
7810240211	7810240067	78/10/10	50-250	Q
7810240217	7810240067	78/10/10	50-250	Q
7810240221	7810240216	78/10/10	50-445	Q
7810240228	7810240225	78/10/17	50-368	P
7810240230	7810240225	78/10/17	50-368	P
7810240236	7810240233	78/09/15	50-496	Q
7810250015	7810250007	78/09/07	50-445	Q
7810250031	7810250027	78/10/05	50-482	Q
7810250052	7810250048	78/09/11	50-311	Q
7810250063	7810250060	78/10/24	50-285	P
7810250085	7810250082	78/10/19	50-260	P
7810250091	7810250074	78/09/14	50-424	Q
7810250093	7810250089	78/10/19	50-369	B
7810250100	7810250099	78/10/18	50-329	A
7810250104	7810250103	78/10/18	50-272	R
7810250110	7810250106	78/10/17	50-213	B
7810250114	7810250112	78/10/19	50-348	B
7810250117	7810110154	78/10/03	50-315	B
7810250122	7810250120	78/10/19	50-327	A
7810250133	7810250134	78/10/12	50-266	Q
7810250136	7810250134	78/10/12	50-286	Q
7810250137	7810250134	78/10/12	50-286	Q
7810250138	7810250134	78/10/12	50-286	Q
7810250140	7810250139	78/09/14	50-280	Q
7810250145	7810250141	78/10/18	50-348	B
7810250154	7810250116	78/09/14	50-302	Q
7810250190	7810250186	78/10/11	50-387	Q
7810250194	7810250186	78/10/11	50-387	Q
7810250197	7810250186	78/10/11	50-387	Q
7810250203	7810250200	78/10/10	50-369	Q
7810250207	7810250186	78/10/11	50-387	Q
7810250209	7810250200	78/10/10	50-369	Q
7810250212	7810250206	78/10/13	50-275	A
7810250220	7810250216	78/09/19	50-331	Q
7810250221	7810250217	78/10/05	50-413	Q
7810250222	7810250216	78/09/19	50-331	Q
7810250227	7810250226	78/09/18	50-219	Q
7810250231	7810250229	78/10/11	50-348	Q
7810250234	7810250229	78/10/11	50-348	Q
7810250239	7810250238	78/10/11	50-348	Q
7810250246	7810250238	78/10/11	50-348	Q
7810250261	7810250258	78/09/12	50-354	Q
7810250262	7810250255	78/10/06	50-354	B
7810260007	7810260004	78/10/13	50-250	Q
7810260010	7810260004	78/10/13	50-250	Q
7810260022	7810260019	78/10/06	50-220	Q
7810260023	7810260019	78/10/06	50-220	Q
7810260025	7810260019	78/10/06	50-220	Q
7810260028	7810260019	78/10/06	50-220	Q
7810260032	7810260030	78/10/16	50-445	A
7810260044	7810260004	78/10/13	50-250	Q
7810260047	7810260007	78/09/15	50-261	Q
7810260069	7810260004	78/10/13	50-250	Q
7810260073	7810260004	78/10/13	50-250	Q
7810260118	7810260115	78/10/18	50-361	K

ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY	ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY
7810260128	7810260121	78/10/25	50-338 B	7810300259	7810300262	78/09/22	50-389 B
7810260129	7810260121	78/10/25	50-338 B	7810300277	7810300262	78/09/22	50-389 B
7810260130	7810260121	78/10/25	50-338 B	7810300280	7810300275	78/10/02	50-333 Q
7810260131	7810260121	78/10/25	50-338 B	7810300281	7810300262	78/09/22	50-389 B
7810260132	7810260121	78/10/25	50-338 B	7810300292	7810300117	78/09/13	50-334 Q
7810260133	7810260121	78/10/25	50-338 B	7810300300	7810300302	78/10/06	50-356 Q
7810260135	7810260121	78/10/25	50-338 B	7810300313	7810300309	78/10/05	50-267 B
7810260144	7810260121	78/10/25	50-338 B	7810300320	7810230069	78/09/27	50-488 Q
7810260175	7810260169	78/08/30	50-341 Q	7810300336	7810300332	78/10/10	50-488 Q
7810260180	7810260179	78/09/18	50-155 Q	7810300339	7810300334	78/10/23	50-201 Q
7810260183	7810260179	78/09/18	50-155 Q	7810300343	7810300334	78/10/23	50-201 Q
7810260184	7810260169	78/08/30	50-341 Q	7810300351	7810300334	78/10/23	50-201 Q
7810260225	7810260219	78/10/16	50-275 A	7810300354	7810300334	78/10/23	50-201 Q
7810260228	7810260227	78/10/13	50-344 Q	7810300358	7810300334	78/10/23	50-201 Q
7810260232	7810260227	78/10/13	50-344 Q	7810300362	7810300334	78/10/23	50-201 Q
7810260843	7810260227	78/10/13	50-344 Q	7810300380	7810300377	78/10/17	50-369 Q
7810270076	7810270072	78/10/17	50-287 P	7810300383	7810300375	78/09/22	50-315 Q
7810270097	7810170094	78/10/23	50-219 P	7810300385	7810300377	78/10/77	50-369 Q
7810270107	7810270104	78/09/15	50-163 A	7810300387	7810300384	78/08/08	50-399 Q
7810270113	7810270103	77/12/27	50-13 Q	7810310033	7810310029	78/09/21	50-182 Q
7810270162	7810270157	78/10/05	50-443 A	7810310054	7810310048	78/09/21	50-280 Q
7810270188	7810270186	78/10/24	50-277 P	7810310064	7810310060	78/03/01	50-259 Q
7810270189	7810270185	78/10/16	50-334 Q	7810310069	7810310060	78/03/01	50-259 Q
7810270192	7810270185	78/10/16	50-334 Q	7810310074	7810310060	78/03/01	50-259 Q
7810270193	7810270191	78/10/20	50-315 B	7810310082	7810310081	78/09/22	50-339 Q
7810270194	7810270185	78/10/16	50-334 Q	7810310105	7810310102	78/10/20	50-317 B
7810270196	7810270185	78/10/16	50-334 Q	7810310116	7810310115	78/09/23	50-339 Q
7810270216	7810270214	78/10/25	50-206 Q	7810310127	7810310123	78/10/20	50-261 B
7810270221	7810270213	78/09/12	50-327 Q	7810310133	7810310130	78/10/26	50-155 B
7810270223	7810270174	78/10/23	50-280 P	7810310134	7810310128	78/09/20	50-324 Q
7810270226	7810270215	78/10/16	50-261 B	7810310135	7810310131	78/10/26	50-348 B
7810270231	7810270229	78/10/17	50-249 B	7810310141	7810310136	78/10/23	50-302 B
7810270232	7810270228	78/10/24	50-267 B	7810310142	7810310139	78/10/24	50-324 B
7810270236	7810270234	78/10/17	50-237 B	7810310144	7810310138	78/09/19	50-261 Q
7810270240	7810270235	78/10/20	50-317 B	7810310150	7810310146	78/10/12	50-321 B
7810270246	7810270024	78/02/08	50-329 Q	7810310153	7810310143	78/10/23	50-261 B
7810270270	7810270261	78/10/16	50-278 B	7810310154	7810310151	78/10/24	50-366 B
7810270272	7810270232	78/10/20	50-324 Q	7810310155	7810270209	78/10/20	50-316 B
7810270283	7810270276	78/10/24	50-267 B	7810310162	7810310157	78/10/20	50-321 B
7810270286	7810270278	78/10/16	50-255 P	7810310163	7810310158	78/10/24	50-293 B
7810270288	7810270284	78/09/12	50-311 Q	7810310165	7810310160	78/10/25	50-321 B
7810270293	7810270278	78/10/16	50-255 P	7810310168	7810310029	78/09/21	50-182 Q
7810270296	7810270287	78/10/19	50-237 B	7810310169	7810310164	78/10/23	50-302 B
7810270305	7810270302	78/10/17	50-249 B	7810310170	7810310167	78/10/23	50-344 B
7810270314	7810270309	78/10/20	50-316 B	7810310171	7810310165	78/10/23	50-321 B
7810270345	7810270341	78/09/27	50-344 Q	7810310179	7810310020	78/10/23	50-498 H
7810270348	7810270341	78/09/27	50-344 Q	7810310181	7810310175	78/10/25	50-366 B
7810270354	7810270341	78/09/27	50-344 Q	7810310182	7810310177	78/10/24	50-321 B
7810270358	7810270341	78/09/27	50-344 Q	7810310186	7810310183	78/10/25	50-259 B
7810270373	7810270368	78/10/20	50-341 Q	7810310189	7810310185	78/10/27	50-443 A
7810270376	7810270371	78/09/20	50-301 Q	7810310192	7810310184	78/10/20	50-289 B
7810270387	7810270368	78/10/20	50-341 Q	7810310199	7810310190	78/11/26	50-316 B
7810270388	7810270385	78/09/21	50-315 Q	7810310200	7810310197	78/10/20	50-317 B
7810270392	7810270391	78/09/12	50-363 Q	7810310201	7810310194	78/10/25	50-346 B
7810270398	7810270385	78/09/21	50-315 Q	7810310214	7810310205	78/10/20	50-366 B
7810270406	7810270368	78/10/20	50-341 Q	7810310216	7810310209	78/10/20	50-318 B
7810270410	7810270404	78/10/03	50-213 P	7810310219	7810310210	78/10/25	50-261 B
7810270413	7810270404	78/10/03	50-213 P	7810310222	7810310217	78/10/25	50-324 B
7810270417	7810270404	78/10/03	50-213 P	7810310227	7810310220	78/10/27	50-331 B
7810270422	7810270404	78/10/03	50-213 P	7810310230	7810310225	78/10/27	50-267 B
7810300017	7810300028	78/10/11	50-369 Q	7810310236	7810310232	78/10/23	50-324 B
7810300020	7810300018	78/09/07	50-206 Q	7810310237	7810310233	78/10/06	50-261 P
7810300057	7810300039	78/10/16	50-338 Q	7810310241	7810310233	78/10/06	50-261 P
7810300065	7810300039	78/10/16	50-338 Q	7810310242	7810310238	78/10/27	50-330 B
7810300077	7810300070	78/10/16	50-344 Q	7810310243	7810310240	78/10/13	50-244 P
7810300113	7810300106	78/10/21	50-341 Q	7810310246	7810310233	78/10/06	50-261 P
7810300138	7810300124	78/10/23	50-447 A	7810310248	7810310244	78/10/26	50-271 B
7810300153	7810300148	78/10/23	50-289 H	7810310252	7810310238	78/10/27	50-338 B
7810300187	7810300148	78/10/23	50-219 P	7810310260	7810310254	78/10/26	50-272 B
7810300165	7810300162	78/10/02	50-514 Q	7810310281	7810310273	78/10/18	50-568 A
7810300166	7810300164	78/09/27	50-267 B	7810310286	7810310273	78/10/19	50-568 A
7810300167	7810300162	78/10/02	50-514 Q	7810310288	7810310284	78/10/18	50-528 Q
7810300171	7810300168	78/10/25	50-260 B	7810310294	7810310284	78/10/19	50-528 Q
7810300174	7810300167	77/11/02	50-277 P	7810310301	7810310284	78/10/18	50-528 Q
7810300177	7810300173	78/10/12	50-298 B	7810310304	7810310299	78/10/17	50-247 P
7810300180	7810300179	78/10/05	50-267 B	7810310305	7810310299	78/10/17	50-247 P
7810300194	7810300189	78/09/27	50-267 B	7810310307	7810310302	78/10/10	50-369 Q
7810300196	7810300191	78/10/23	50-263 B	7810310308	7810310284	78/10/18	50-528 Q
7810300229	7810300201	78/09/12	50-298 B	7810310309	7810310303	78/09/27	50-346 B
7810300266	7810300262	78/09/22	50-389 Q	7810310312	7810310302	78/10/10	50-369 Q

ACCESSION NUMBER				ACCESSION NUMBER			
ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY	ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY
7810310318	7810310284	78/10/18	50-328 G	7811020249	7811020245	78/10/30	50-460 I
7810310319	7810310302	78/10/10	50-329 G	7811020251	7811020248	78/10/17	50-187 P
7810310330	7810310303	78/09/27	50-346 B	7811020259	7811020258	78/10/27	50-373 K
7810310340	7810310338	78/09/26	50-316 G	7811020274	7811020272	78/10/12	50-59 P
7810310342	7810310303	78/09/27	50-346 B	7811020275	7811020270	78/10/17	50-344 Q
7810310346	7810310303	78/09/27	50-346 B	7811020277	7811020272	78/10/12	50-59 P
7810310365	7810310357	78/10/23	50-528 B	7811020298	7811020272	78/10/12	50-59 P
7811010010	7811010008	78/10/26	50-329 A	7811020312	7811020306	78/10/31	50-338 R
7811010012	7811010009	78/10/26	50-10 Q	7811020332	7811020325	78/10/19	50-344 Q
7811010013	7811010008	78/10/26	50-329 A	7811020333	7811020328	78/10/20	50-549 Q
7811010014	7811010004	78/10/23	50-329 H	7811020343	7811020325	78/10/19	50-344 Q
7811010016	7811010009	78/10/26	50-10 Q	7811020353	7811020351	78/10/20	50-364 Q
7811010022	7811010018	78/09/20	50-10 Q	7811020360	7811020351	78/10/20	50-364 Q
7811010022	7811010018	78/09/20	50-10 Q	7811020369	7811020365	78/09/22	50-458 Q
7811010029	7811010009	78/10/26	50-10 Q	7811020375	7811020349	78/10/23	50-254 F
7811010033	7811010004	78/09/29	50-382 B	7811020387	7811020384	78/10/25	50-498 Q
7811010037	7811010032	78/09/21	50-361 G	7811020388	7811020385	78/10/18	50-549 H
7811010041	7811010036	78/10/24	50-244 Q	7811020393	7811020384	78/10/23	50-498 G
7811010053	7811010050	78/09/14	50-388 Q	7811020395	7811020392	78/10/11	50-409 P
7811010053	7811010052	78/10/19	50-414 A	7811020399	7811020392	78/10/11	50-409 P
7811010057	7811010050	78/09/14	50-388 Q	7811020408	7811020392	78/10/11	50-409 P
7811010058	7811010052	78/10/19	50-414 A	7811020440	7811020119	78/10/23	50-160 Q
7811010059	7811010047	78/09/19	50-373 Q	7811020449	7811020442	78/09/29	50-445 Q
7811010061	7811010052	78/10/19	50-414 A	7811030016	7811030013	78/10/13	50-366 P
7811010064	7811010052	78/10/19	50-414 A	7811030019	7811030013	78/10/13	50-366 P
7811010068	7811010052	78/10/19	50-414 A	7811030022	7811030013	78/10/13	50-366 P
7811010076	7811010067	78/09/19	50-284 Q	7811030036	7811030034	78/09/11	50-285 Q
7811010089	7811010083	78/10/10	50-277 Q	7811030037	7811030035	78/09/22	50-466 Q
7811010093	7811010083	78/10/10	50-277 Q	7811030040	7811030035	78/09/22	50-466 Q
7811010095	7811010083	78/10/10	50-277 Q	7811030047	7811030044	78/10/24	50-424 Q
7811010099	7811010083	78/10/10	50-277 Q	7811030054	7811030044	78/10/24	50-424 Q
7811010116	7811010113	78/10/26	50-317 B	7811030078	7811030057	78/10/23	50-438 Q
7811010125	7811010120	78/10/31	50-375 K	7811030080	7811030076	78/10/21	50-318 P
7811010131	7811010141	78/11/01	50-295 K	7811030084	7811030057	78/10/23	50-438 Q
7811010133	7811010127	78/09/15	50-443 Q	7811030085	7811030076	78/10/21	50-318 P
7811010162	7811010160	78/10/19	50-269 B	7811030088	7811030076	78/10/21	50-318 P
7811010171	7811010186	78/09/21	50-328 Q	7811030089	7811030057	78/10/23	50-438 Q
7811010280	7811010269	78/09/15	50-289 Q	7811030092	7811030057	78/10/23	50-438 Q
7811010309	7811010306	78/09/15	50-346 Q	7811030104	7811030101	78/10/23	50-390 A
7811010368	7811010342	78/10/13	50-320 Q	7811030117	7811030112	78/10/27	50-317 B
7811010384	7811010382	78/10/24	50-275 Q	7811030120	7811030119	78/11/01	50-311 K
7811010388	7811010382	78/10/24	50-275 Q	7811030124	7811030119	78/11/01	50-311 K
7811010397	7811010387	78/09/29	50-324 A	7811030135	7811030131	78/10/25	50-309 B
7811010393	7811010390	78/10/03	50-277 P	7811030139	7811030136	78/10/31	50-155 B
7811010400	7811010390	78/10/03	50-277 P	7811030140	7811030137	78/09/29	50-309 B
7811010402	7811010397	78/09/21	50-324 Q	7811030145	7811030143	78/10/24	50-237 B
7811010405	7811010390	78/10/03	50-277 P	7811030152	7811030149	78/09/26	50-312 B
7811010411	7811010407	78/09/21	50-250 Q	7811030153	7811030153	78/09/27	50-312 B
7811010415	7811010414	77/12/16	50-280 Q	7811030158	7811030157	78/10/27	50-346 B
7811010423	7811010414	77/12/16	50-280 Q	7811030168	7811030003	78/10/24	50-250 Q
7811010428	7811010414	77/12/16	50-280 Q	7811030171	7811030003	78/10/24	50-250 Q
7811010435	7811010432	78/10/17	50-387 Q	7811030175	7811030003	78/10/24	50-250 Q
7811020010	7811020003	78/10/24	50-588 Q	7811030178	7811030003	78/10/24	50-250 Q
7811020047	7811020041	78/10/16	50-376 Q	7811030191	7811030184	78/10/27	50-249 B
7811020052	7811020048	78/09/19	50-449 Q	7811030198	7811030194	78/10/19	50-346 Q
7811020055	7811020048	78/09/19	50-445 Q	7811030208	7811030205	78/10/17	50-331 P
7811020059	7811020053	78/10/16	50-206 P	7811030210	7811030205	78/10/17	50-331 P
7811020071	7811020066	78/10/13	50-271 P	7811030215	7811030205	78/10/17	50-331 P
7811020081	7811020066	78/10/13	50-271 P	7811030228	7811030224	78/10/12	50-113 P
7811020086	7811020066	78/10/13	50-271 P	7811030231	7811030226	78/10/23	50-335 Q
7811020087	7811020084	78/10/03	50-312 P	7811030232	7811030224	78/10/12	50-113 P
7811020093	7811020084	78/10/03	50-312 P	7811030235	7811030226	78/10/23	50-335 Q
7811020096	7811020091	78/10/27	50-313 P	7811030249	7811030244	78/10/24	50-445 Q
7811020098	7811020084	78/10/03	50-312 P	7811030260	7811030257	78/10/18	50-438 B
7811020111	7811020106	78/09/23	50-315 Q	7811030265	7811030263	78/10/16	50-327 B
7811020146	7811020140	78/10/12	50-2 P	7811060008	7811060007	78/09/29	50-288 Q
7811020150	7811020140	78/10/12	50-2 P	7811060013	7811060013	78/10/13	50-2 P
7811020168	7811020166	78/09/27	50-341 Q	7811060019	7811060013	78/10/13	50-2 P
7811020175	7811020170	78/10/13	50-271 Q	7811060038	7811060036	78/10/23	50-338 Q
7811020176	7811020169	78/10/11	50-466 Q	7811060044	7811060040	78/10/24	50-582 Q
7811020177	7811020060	78/10/10	50-223 Q	7811060053	7811060051	78/09/12	50-298 Q
7811020178	7811020060	78/10/10	50-223 Q	7811060053	7811060051	78/09/12	50-298 Q
7811020179	7811020170	78/10/13	50-271 Q	7811060066	7811060065	78/10/20	50-341 A
7811020181	7811020169	78/10/11	50-466 Q	7811060069	7811060063	78/10/30	50-390 B
7811020182	7811020060	78/10/10	50-223 Q	7811060070	7811060068	78/10/20	50-382 E
7811020183	7811020170	78/10/13	50-271 Q	7811060074	7811060073	78/10/28	50-116 B
7811020186	7811020060	78/10/10	50-223 Q	7811060093	7811060083	78/10/23	50-596 B
7811020188	7811020170	78/10/13	50-271 Q	7811060096	7811060090	78/10/17	50-390 B
7811020218	7811020212	78/10/30	50-155 P	7811060100	7811060083	78/10/23	50-556 Q
7811020234	7811020231	78/10/27	50-438 K	7811060101	7811060098	78/09/26	50-382 Q

CROSS REFERENCE OF ENCLOSURES TO PRINCIPAL DOCUMENTS

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ACCESSION NUMBER			
ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY
7811060105	7811060098	78/09/26	50-382 Q
7811060106	7811060083	78/10/23	50-356 Q
7811060107	7811060103	78/10/27	50-213 S
7811060125	7811060124	78/10/16	50-277 P
7811060128	7811060124	78/10/16	50-277 P
7811060130	7811060124	78/10/16	50-277 P
7811060138	7811060131	78/10/30	50-321 S
7811060140	7811060135	78/10/30	50-321 S
7811060148	7811060144	78/10/27	50-250 S
7811060149	7811060145	78/10/13	50-368 S
7811060151	7811060145	78/10/13	50-368 S
7811060152	7811060142	78/10/27	50-250 S
7811060153	7811060150	78/10/27	50-366 S
7811060156	7811060145	78/10/13	50-368 S
7811060158	7811060154	78/10/27	50-313 S
7811060160	7811060145	78/10/13	50-368 S
7811060161	7811060155	78/10/31	50-318 S
7811060162	7811060159	78/10/30	50-249 S
7811060163	7811060157	78/10/27	50-231 S
7811060180	7811060175	78/10/13	50-313 S
7811060183	7811060175	78/10/13	50-313 S
7811060189	7811060175	78/10/13	50-313 S
7811060204	7811060200	78/10/31	50-285 S
7811060213	7811060211	78/11/01	50-281 S
7811060215	7811060210	78/10/30	50-286 S
7811060217	7811060211	78/11/01	50-281 S
7811060237	7811060233	78/11/01	50-338 S
7811060238	7811060224	78/10/20	50-3 Q
7811060239	7811060224	78/10/20	50-3 Q
7811060240	7811060233	78/11/01	50-338 S
7811060242	7811060233	78/11/01	50-338 S
7811060244	7811060224	78/10/20	50-3 Q
7811060245	7811060233	78/11/01	50-338 S
7811060247	7811060224	78/10/20	50-3 Q
7811070004	7811070001	78/10/20	50-471 Q
7811070055	7811070013	78/10/23	50-269 P
7811070057	7811070013	78/10/23	50-269 P
7811070050	7811070013	78/10/23	50-269 P
7811070063	7811070013	78/10/23	50-269 P
7811070064	7811070059	78/10/30	50-568 A
7811070068	7811070013	78/10/23	50-269 P
7811070071	7811070013	78/10/23	50-269 P
7811070139	7811070136	78/11/01	50-302 S
7811070140	7811070138	78/10/31	50-443 I
7811070143	7811070138	78/10/31	50-443 I
7811070145	7811070138	78/10/31	50-443 I
7811070147	7811070133	78/06/20	50-397 Q
7811070148	7811070138	78/10/31	50-443 I
7811070150	7811070138	78/10/31	50-443 I
7811070151	7811070146	78/11/03	50-358 P
7811070153	7811070138	78/10/31	50-443 I
7811070156	7811070138	78/10/31	50-443 I
7811070161	7811070138	78/10/31	50-443 I
7811070163	7811070157	78/11/03	50-247 P
7811070164	7811070133	78/06/20	50-397 Q
7811070166	7811070138	78/10/31	50-443 I
7811070169	7811070138	78/10/31	50-443 I
7811070171	7811070138	78/10/31	50-443 I
7811070179	7811070133	78/06/20	50-397 Q
7811070181	7811070178	78/11/02	50-272 S
7811070188	7811070184	78/11/01	50-346 S
7811070198	7811070193	78/10/31	50-344 R
7811070206	7811070183	78/11/03	50-255 S
7811070208	7811070204	78/11/01	50-302 S
7811070218	7811070210	78/11/02	50-255 S
7811070224	7811070217	78/11/02	50-155 S
7811070230	7811070221	78/11/01	50-247 S
7811070233	7811070228	78/11/02	50-338 S
7811070235	7811070226	78/11/01	50-302 S
7811070237	7811070228	78/11/02	50-338 S
7811070238	7811070234	78/11/02	50-267 R
7811070240	7811070236	78/09/08	50-327 A
7811070241	7811070228	78/11/02	50-338 S
7811070248	7811070244	78/11/01	50-333 S
7811070249	7811070245	78/09/22	50-518 S
7811070252	7811070246	78/11/03	50-510 A
7811070256	7811070253	78/10/31	50-286 S
7811070259	7811070247	78/11/01	50-282 S
7811070260	7811070284	78/10/24	50-445 Q
7811070261	7811070258	78/11/03	50-338 S

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ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY
7811070265	7811070262	78/11/01	50-272 S
7811070267	7811070264	78/11/01	50-346 S
7811070268	7811070266	78/11/02	50-272 S
7811070270	7811070269	78/10/30	50-397 C
7811070275	7811070273	78/11/01	50-346 S
7811070281	7811070277	78/10/19	50-327 A
7811070284	7811070288	78/10/31	50-245 P
7811070307	7811070302	78/10/24	50-213 P
7811070308	7811070305	78/10/03	50-448 Q
7811070311	7811070302	78/10/24	50-213 P
7811070313	7811070302	78/10/24	50-213 P
7811070314	7811070309	78/10/23	50-250 Q
7811070320	7811070309	78/10/23	50-250 Q
7811070323	7811070310	78/11/01	50-333 S
7811070355	7811070351	78/10/24	50-70 P
7811070377	7811070373	78/10/17	50-412 S
7811070378	7811070373	78/10/17	50-412 S
7811080008	7811080005	78/10/30	50-275 A
7811080018	7811080013	78/10/24	50-157 P
7811080024	7811080013	78/10/24	50-157 P
7811080030	7811080026	78/10/30	50-584 A
7811080033	7811080026	78/10/30	50-584 A
7811080038	7811080036	78/10/10	50-284 P
7811080047	7811080044	78/10/23	50-356 A
7811080056	7811080039	78/10/20	50-70 P
7811080070	7811080066	78/10/04	50-295 Q
7811080074	7811080066	78/10/04	50-295 Q
7811080076	7811080067	78/10/23	50-466 H
7811080080	7811080077	78/10/02	50-254 Q
7811080086	7811080082	78/10/27	50-286 G
7811080089	7811080059	78/10/18	50-344 Q
7811080090	7811080082	78/10/27	50-286 Q
7811080092	7811080082	78/10/27	50-286 Q
7811080096	7811080091	78/09/20	50-317 Q
7811080097	7811080082	78/10/27	50-286 Q
7811080098	7811080059	78/10/18	50-344 Q
7811080104	7811080101	78/10/02	50-318 Q
7811080111	7811080110	78/11/02	50-286 P
7811080112	7811080106	78/10/23	50-298 Q
7811080127	7811080123	78/11/03	50-286 P
7811080129	7811080123	78/11/03	50-286 P
7811080134	7811080133	78/11/03	50-390 K
7811080141	7811080137	78/11/01	50-270 S
7811080146	7811080143	78/11/02	50-336 S
7811080150	7811080148	78/11/01	50-281 S
7811080151	7811080147	78/10/27	50-395 Q
7811080154	7811080147	78/10/27	50-395 Q
7811080156	7811080152	78/11/02	50-292 S
7811080157	7811080147	78/10/27	50-395 Q
7811080158	7811080147	78/10/27	50-395 Q
7811080161	7811080155	78/11/02	50-336 S
7811080166	7811080163	78/09/27	50-395 Q
7811080167	7811080164	78/10/30	50-318 A
7811080177	7811080172	78/09/20	50-333 Q
7811080184	7811080183	78/11/02	50-286 P
7811080189	7811080175	78/10/16	50-363 Q
7811080191	7811080187	78/09/27	50-327 Q
7811080192	7811080175	78/10/16	50-363 Q
7811080196	7811080175	78/10/16	50-363 Q
7811080198	7811080194	78/09/27	50-327 Q
7811080200	7811080175	78/10/16	50-363 Q
7811080211	7811080205	78/10/27	50-369 Q
7811080213	7811080205	78/10/27	50-369 Q
7811080215	7811080205	78/10/27	50-369 Q
7811080217	7811080208	78/11/01	50-336 S
7811080220	7811080205	78/10/27	50-369 Q
7811080234	7811080229	78/10/20	50-219 Q
7811080238	7811080229	78/10/20	50-219 Q
7811080242	7811080229	78/10/20	50-219 Q
7811080245	7811080236	78/09/25	50-271 Q
7811080246	7811080229	78/10/20	50-219 Q
7811080248	7811080244	78/09/19	50-286 Q
7811080254	7811080251	78/10/27	50-438 Q
7811080256	7811080253	78/10/19	50-219 Q
7811080257	7811080253	78/10/19	50-219 Q
7811080259	7811080253	78/10/19	50-219 Q
7811080262	7811080253	78/10/19	50-219 Q
7811080264	7811080253	78/10/19	50-219 Q
7811080268	7811080253	78/10/19	50-219 Q
7811080272	7811080253	78/10/19	50-219 Q
7811080274	7811080253	78/10/19	50-219 Q

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7811080296	7811080250	78/10/27	50-369 Q
7811080298	7811080251	78/10/27	50-438 Q
7811080300	7811080250	78/10/27	50-369 Q
7811080302	7811080251	78/10/27	50-438 Q
7811080310	7811080303	78/10/13	50-368 P
7811080314	7811080250	78/10/27	50-369 Q
7811080353	7811080243	78/10/30	50-389 M
7811090003	7811090001	78/10/03	50-367 Q
7811090005	7811090004	78/09/20	50-341 Q
7811090007	7811090004	78/09/20	50-341 Q
7811090013	7811090009	78/11/01	50-324 Q
7811090017	7811090016	78/10/25	50-247 Q
7811090018	7811090015	78/10/25	50-250 P
7811090021	7811090013	78/10/25	50-250 P
7811090024	7811090013	78/10/25	50-250 P
7811090030	7811090023	78/10/26	50-317 Q
7811090032	7811090023	78/10/26	50-317 Q
7811090034	7811090023	78/10/26	50-317 Q
7811090038	7811090023	78/10/26	50-317 Q
7811090040	7811090037	78/10/03	50-2 Q
7811090041	7811090037	78/10/03	50-2 Q
7811090044	7811090043	78/10/31	50-87 Q
7811090054	7811090048	78/11/08	50-320 K
7811090058	7811090053	78/09/21	50-277 Q
7811090071	7811090039	78/10/20	50-153 P
7811090079	7811090039	78/10/20	50-153 P
7811090088	7811090039	78/10/20	50-153 P
7811090119	7811090116	78/10/27	50-237 S
7811090124	7811090113	78/10/30	50-10 S
7811090126	7811090125	78/10/19	50-249 S
7811090130	7811090129	78/10/27	50-237 S
7811090133	7811090132	78/11/03	50-423 S
7811090134	7811090132	78/11/03	50-423 S
7811090135	7811090132	78/11/03	50-423 S
7811090136	7811090132	78/11/03	50-423 S
7811090141	7811090137	78/10/24	50-277 S
7811090142	7811090138	78/10/27	50-237 S
7811090149	7811090143	78/11/03	50-329 A
7811090150	7811090147	78/10/27	50-443 S
7811090152	7811090146	78/11/01	50-277 S
7811090153	7811090151	78/11/01	50-316 S
7811090156	7811090143	78/11/03	50-329 A
7811090158	7811090151	78/11/01	50-316 S
7811090159	7811090143	78/11/03	50-329 A
7811090165	7811090155	78/11/02	50-220 S
7811090168	7811090161	78/11/02	50-293 S
7811090172	7811090169	78/11/03	50-341 S
7811090174	7811090171	78/11/01	50-320 S
7811090179	7811090178	78/11/03	50-346 S
7811090185	7811090182	78/10/04	50-313 Q
7811090187	7811090183	78/11/02	50-348 S
7811090189	7811090182	78/10/04	50-313 Q
7811090191	7811090186	78/11/01	50-261 S
7811090192	7811090183	78/11/02	50-348 S
7811090196	7811090183	78/11/02	50-348 S
7811090197	7811090194	78/11/02	50-323 S
7811090200	7811090183	78/11/02	50-348 S
7811090204	7811090198	78/10/26	50-259 Q
7811090205	7811090203	78/10/26	50-155 S
7811090206	7811090155	78/11/02	50-220 S
7811090210	7811090177	78/11/06	50-280 S
7811090215	7811090177	78/11/06	50-280 S
7811090217	7811090177	78/11/06	50-280 S
7811090219	7811090177	78/11/06	50-280 S
7811090223	7811090203	78/10/26	50-155 S
7811090226	7811090203	78/10/26	50-155 S
7811090229	7811090203	78/10/26	50-155 S
7811090234	7811090203	78/10/26	50-155 S
7811090235	7811090232	78/10/26	50-395 Q
7811090238	7811090232	78/10/26	50-395 Q
7811090240	7811090236	78/11/06	50-281 S
7811090246	7811090242	78/10/18	50-335 S
7811090269	7811090266	78/10/02	50-332 Q
7811090273	7811090271	78/11/02	50-220 S
7811090278	7811090274	78/11/01	50-320 S
7811090279	7811090275	78/09/26	50-390 Q
7811090290	7811090284	78/09/21	50-320 Q
7811090303	7811090298	78/10/05	50-258 Q
7811100012	7811100008	78/09/27	50-293 Q
7811100013	7811100010	78/09/01	50-219 P

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ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY
7811100001	7811100017	78/11/01	50-302 Q
7811100002	7811100017	78/11/01	50-302 Q
7811100006	7811100017	78/11/01	50-302 Q
7811100030	7811100017	78/11/01	50-302 Q
7811100062	7811100036	78/10/20	50-387 S
7811100076	7811100075	78/10/04	50-213 Q
7811100083	7811100082	78/10/31	50-290 Q
7811100086	7811100082	78/10/31	50-290 Q
7811100094	7811100092	78/10/04	50-213 Q
7811100097	7811100093	78/09/27	50-443 Q
7811100102	7811100099	78/09/26	50-311 Q
7811100109	7811100105	78/10/19	50-10 P
7811100110	7811100103	78/10/26	50-269 Q
7811100115	7811100103	78/10/26	50-269 Q
7811100121	7811100114	78/10/27	50-344 Q
7811100124	7811100103	78/10/26	50-269 Q
7811100126	7811100114	78/10/27	50-344 Q
7811100128	7811100114	78/10/27	50-344 Q
7811100129	7811100120	78/10/20	50-286 Q
7811100130	7811100103	78/10/26	50-269 Q
7811100133	7811100114	78/10/27	50-344 Q
7811100138	7811100120	78/10/20	50-286 Q
7811100145	7811100120	78/10/20	50-286 Q
7811100148	7811100142	78/10/05	50-311 Q
7811100158	7811100120	78/10/20	50-286 Q
7811100164	7811100157	78/10/02	50-311 Q
7811100165	7811100120	78/10/20	50-286 Q
7811100168	7811100106	78/10/21	50-321 Q
7811100172	7811100120	78/10/20	50-286 Q
7811100181	7811100120	78/10/20	50-286 Q
7811130005	7811130004	78/10/02	50-331 Q
7811130007	7811130003	78/08/24	50-250 Q
7811130010	7811130004	78/10/02	50-331 Q
7811130013	7811130006	78/10/31	50-239 Q
7811130014	7811130009	78/09/29	50-332 Q
7811130018	7811130006	78/10/31	50-259 Q
7811130022	7811130006	78/10/31	50-259 Q
7811130049	7811130006	78/10/31	50-259 Q
7811130073	7811130069	78/10/25	50-387 S
7811130077	7811130069	78/10/25	50-387 S
7811130080	7811130075	78/10/26	50-250 P
7811130083	7811130075	78/10/26	50-250 P
7811130108	7811130099	78/10/02	50-327 Q
7811130119	7811130115	78/10/30	50-272 Q
7811130120	7811130113	78/10/03	50-438 Q
7811130151	7811130135	78/09/27	50-387 Q
7811130170	7811130075	78/10/26	50-250 P
7811130175	7811130075	78/10/26	50-250 P
7811130192	7811130189	78/10/31	50-329 Q
7811130209	7811130206	78/11/06	50-409 R
7811130214	7811130218	78/11/02	50-318 S
7811130220	7811130226	78/11/04	50-334 S
7811130228	7811130226	78/10/30	50-348 Q
7811130229	7811130226	78/10/30	50-348 Q
7811130230	7811130146	78/11/03	50-346 M
7811130231	7811130227	78/09/28	50-344 Q
7811130238	7811130237	78/11/08	50-280 Q
7811130239	7811130237	78/11/08	50-280 Q
7811130240	7811130237	78/11/08	50-280 Q
7811130241	7811130237	78/11/08	50-280 Q
7811130249	7811130247	78/11/07	50-364 A
7811130261	7811130256	78/11/06	50-321 Q
7811130262	7811130256	78/11/06	50-321 Q
7811130266	7811130256	78/11/06	50-321 Q
7811130275	7811130271	78/10/04	50-334 Q
7811130285	7811130280	78/10/05	50-334 Q
7811130286	7811130256	78/11/06	50-321 Q
7811130292	7811130289	78/11/07	50-373 D
7811130301	7811130299	78/11/02	50-333 P
7811130327	7811130313	78/11/03	50-313 Q
7811130332	7811130338	78/10/24	50-284 A
7811130333	7811130337	78/10/24	50-284 P
7811130337	7811130059	78/08/17	50-10 P
7811130343	7811130340	78/09/21	50-329 Q
7811130344	7811130341	78/11/03	50-380 H
7811130350	7811130340	78/09/21	50-329 Q
7811130387	7811130354	78/10/25	50-369 Q
7811130384	7811130354	78/10/25	50-369 Q
7811130378	7811130374	78/10/30	50-369 Q
7811130381	7811130374	78/10/30	50-369 Q

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7811140391	7811140391	78/11/15	50-220 P
7811140393	7811140393	78/09/28	50-344 Q
7811140412	7811140409	78/10/05	50-302 Q
7811140419	7811140410	78/10/06	50-338 Q
7811140033	7811140030	78/10/16	50-250 P
7811140036	7811140030	78/10/16	50-250 P
7811140039	7811140030	78/10/16	50-250 P
7811140043	7811140037	78/10/04	50-311 Q
7811140044	7811140048	78/10/10	50-329 Q
7811140055	7811140053	78/10/31	50-206 P
7811140057	7811140053	78/10/31	50-206 P
7811140063	7811140053	78/10/31	50-206 P
7811140104	7811140104	78/11/01	50-286 R
7811140108	7811140102	78/10/30	50-502 A
7811140113	7811140110	78/11/08	50-336 R
7811140117	7811140115	78/11/09	50-282 R
7811140118	7811140116	78/11/08	50-305 R
7811140122	7811140120	78/11/10	50-29 R
7811140123	7811140121	78/11/10	50-333 R
7811140127	7811140125	78/11/10	50-271 R
7811140131	7811140124	78/11/08	50-266 P
7811140133	7811140124	78/11/08	50-266 P
7811140136	7811140135	78/11/08	50-346 R
7811140140	7811140137	78/11/09	50-259 R
7811140141	7811140139	78/11/06	50-344 R
7811140144	7811140142	78/11/09	50-277 R
7811140145	7811140126	78/11/09	50-275 K
7811140148	7811140147	78/11/08	50-235 R
7811140150	7811140146	78/11/10	50-155 S
7811140151	7811140146	78/11/10	50-155 S
7811140161	7811140107	78/11/08	50-285 R
7811140162	7811140156	78/11/02	50-321 S
7811140163	7811140160	78/10/27	50-237 S
7811140166	7811140112	78/11/10	50-309 R
7811140169	7811140119	78/11/08	50-10 R
7811140170	7811140164	78/11/02	50-318 S
7811140173	7811140171	78/10/30	50-502 S
7811140178	7811140174	78/11/08	50-266 R
7811140181	7811140177	78/11/06	50-206 S
7811140188	7811140183	78/11/10	50-293 S
7811140189	7811140185	78/10/11	50-315 Q
7811140191	7811140187	78/11/06	50-245 S
7811140195	7811140186	78/11/08	50-296 S
7811140199	7811140193	78/11/01	50-237 I
7811140204	7811140198	78/11/03	50-366 S
7811140205	7811140202	78/11/06	50-336 S
7811140206	7811140201	78/11/08	50-296 S
7811140211	7811140209	78/11/02	50-366 S
7811140212	7811140207	78/11/07	50-293 S
7811140213	7811140203	78/11/02	50-237 S
7811140218	7811140210	78/11/08	50-316 S
7811140220	7811140215	78/11/02	50-237 S
7811140221	7811140217	78/11/08	50-259 S
7811140226	7811140210	78/11/08	50-316 S
7811140227	7811140222	78/11/01	50-249 S
7811140228	7811140223	78/11/09	50-255 S
7811140232	7811140210	78/11/08	50-316 S
7811140233	7811140225	78/11/07	50-348 S
7811140234	7811140229	78/11/02	50-322 Q
7811140236	7811140230	78/11/06	50-312 S
7811140237	7811140225	78/11/07	50-348 S
7811140239	7811140229	78/11/02	50-322 Q
7811140242	7811140225	78/11/07	50-348 S
7811140243	7811140229	78/11/02	50-322 Q
7811140244	7811140240	78/11/08	50-259 S
7811140246	7811140225	78/11/07	50-348 S
7811140248	7811140238	78/11/10	50-333 S
7811140249	7811140229	78/11/02	50-322 Q
7811140250	7811140247	78/11/09	50-286 S
7811140251	7811140225	78/11/07	50-348 S
7811140253	7811140090	78/10/04	50-518 Q
7811140253	7811140090	78/10/04	50-518 Q
7811140253	7811140090	78/10/04	50-518 Q
7811140254	7811140245	78/10/27	50-366 S
7811140255	7811140252	78/11/03	50-3 Q
7811140256	7811140252	78/11/03	50-3 Q
7811140259	7811140252	78/11/03	50-3 Q
7811140261	7811140258	78/10/27	50-410 A
7811140262	7811140252	78/11/03	50-3 Q
7811140265	7811140258	78/10/27	50-410 A

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7811140266	7811140258	78/10/27	50-410 A
7811140267	7811140264	78/10/12	50-373 Q
7811140269	7811140268	78/10/06	50-341 Q
7811140274	7811140271	78/11/02	50-311 Q
7811140277	7811140271	78/11/02	50-311 Q
7811140278	7811140271	78/11/02	50-311 Q
7811140280	7811140271	78/11/02	50-311 Q
7811150041	7811150038	78/11/01	50-220 Q
7811150043	7811150038	78/11/01	50-220 Q
7811150045	7811150038	78/11/01	50-220 Q
7811150049	7811150038	78/11/01	50-220 Q
7811150053	7811150053	78/10/12	50-346 Q
7811150052	7811150058	78/11/07	50-395 Q
7811150053	7811150058	78/11/07	50-395 Q
7811150057	7811150058	78/11/07	50-395 Q
7811150058	7811150086	78/10/13	50-331 Q
7811150059	7811150092	78/11/03	50-309 Q
7811150099	7811150091	78/11/09	50-309 P
7811150100	7811150092	78/11/03	50-309 Q
7811150102	7811150092	78/11/03	50-309 Q
7811150103	7811150092	78/11/03	50-309 Q
7811150109	7811150107	78/10/30	50-329 A
7811150119	7811150116	78/11/07	50-171 U
7811150129	7811150128	78/11/07	50-260 P
7811150130	7811150127	78/10/23	50-328 C
7811150131	7811150126	78/11/06	50-580 B
7811150136	7811150135	78/11/03	50-556 S
7811150149	7811150146	78/11/10	50-133 R
7811150159	7811150154	78/10/30	50-220 P
7811150173	7811150167	78/11/06	50-266 F
7811150175	7811150171	78/11/06	50-247 P
7811150176	7811150137	78/11/07	50-327 A
7811150182	7811150171	78/11/06	50-247 P
7811150188	7811150184	78/11/03	50-220 Q
7811150190	7811150184	78/11/03	50-220 Q
7811150192	7811150184	78/11/03	50-220 Q
7811150194	7811150184	78/11/03	50-220 Q
7811150196	7811150137	78/11/07	50-327 A
7811150199	7811150137	78/11/07	50-327 A
7811150269	7811150265	78/11/02	50-317 Q
7811150272	7811150265	78/11/02	50-317 Q
7811150274	7811150265	78/11/02	50-317 Q
7811150276	7811150265	78/11/02	50-317 Q
7811160046	7811160045	78/10/29	50-466 Q
7811160063	7811160061	78/11/08	50-368 S
7811160064	7811160062	78/11/09	50-313 P
7811160068	7811160066	78/11/08	50-321 R
7811160072	7811160067	78/11/06	50-438 S
7811160075	7811160074	78/11/09	50-272 R
7811160078	7811160076	78/11/07	50-312 R
7811160082	7811160080	78/11/06	50-206 R
7811160086	7811160084	78/11/09	50-277 R
7811160090	7811160085	78/11/02	50-348 R
7811160092	7811160088	78/11/09	50-325 S
7811160093	7811160089	78/11/07	50-245 S
7811160094	7811160091	78/11/10	50-324 R
7811160101	7811160100	78/11/06	50-344 R
7811160103	7811160102	78/11/13	50-271 B
7811160104	7811160099	78/11/08	50-296 S
7811160110	7811160106	78/11/08	50-366 R
7811160111	7811160109	78/11/11	50-334 R
7811160114	7811160113	78/11/03	50-298 R
7811160115	7811160112	78/11/09	50-237 S
7811160117	7811160116	78/11/13	50-263 R
7811160120	7811160119	78/11/09	50-261 R
7811160125	7811160122	78/11/02	50-237 S
7811160130	7811160128	78/11/13	50-271 S
7811160133	7811160132	78/11/09	50-325 S
7811160140	7811160136	78/11/06	50-302 S
7811160141	7811160137	78/11/06	50-325 S
7811160142	7811160139	78/11/10	50-250 P
7811160144	7811160138	78/11/07	50-325 S
7811160159	7811160158	78/11/01	50-556 Q
7811160160	7811160157	78/11/08	50-440 F
7811160182	7811160181	78/10/16	50-482 S
7811160186	7811160181	78/10/16	50-482 S
7811160189	7811160181	78/10/16	50-482 S
7811170086	7811170085	78/11/02	50-382 Q
7811170090	7811170087	78/10/31	50-466 Q
7811170109	7811170107	78/11/14	50-338 R

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ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY	ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY
7811170114	7811170111	78/10/06	50-128 Q	7811200168	7811200006	78/10/27	50-437 A
7811170115	7811170104	78/11/13	50-245 R	7811200170	7811200006	78/10/27	50-437 A
7811170119	7811170111	78/10/06	50-128 Q	7811200172	7811200006	78/10/27	50-437 A
7811170131	7811170130	78/11/09	50-277 R	7811200174	7811200006	78/10/27	50-437 A
7811170142	7811170141	78/11/03	50-344 P	7811200177	7811200006	78/10/27	50-437 A
7811170143	7811170141	78/11/03	50-344 P	7811200180	7811200176	78/11/06	50-313 B
7811170171	7811170165	78/11/10	50-318 B	7811200183	7811200006	78/10/27	50-437 A
7811170174	7811170168	78/10/17	50-556 Q	7811200186	7811200006	78/10/27	50-437 A
7811170178	7811170172	78/11/13	50-334 S	7811200187	7811200184	78/11/15	50-302 R
7811170184	7811170182	78/11/14	50-338 S	7811200188	7811200182	78/10/11	50-518 Q
7811170185	7811170183	78/11/14	50-280 S	7811200190	7811200189	78/11/17	50-387 K
7811170187	7811170179	78/11/13	50-318 B	7811200191	7811200189	78/11/03	50-368 S
7811170189	7811170182	78/11/14	50-338 S	7811200192	7811200006	78/10/27	50-437 A
7811170192	7811170188	78/11/14	50-280 R	7811200196	7811200006	78/10/27	50-437 A
7811170213	7811170209	78/11/14	50-325 S	7811200198	7811200194	78/11/14	50-280 R
7811170234	7811170221	78/11/13	50-334 S	7811200202	7811200006	78/10/27	50-437 A
7811170238	7811170232	78/11/08	50-324 Q	7811200203	7811200201	78/11/14	50-272 S
7811170240	7811170232	78/11/08	50-324 Q	7811200205	7811200006	78/10/27	50-437 A
7811170242	7811170232	78/11/09	50-324 Q	7811200207	7811200204	78/11/15	50-219 B
7811170245	7811170232	78/11/09	50-324 Q	7811200208	7811200006	78/10/27	50-437 A
7811170249	7811170247	78/11/03	50-482 Q	7811200210	7811200127	78/11/08	50-280 Q
7811170259	7811170256	78/11/01	50-282 P	7811200211	7811200006	78/10/27	50-437 A
7811170262	7811170260	78/10/03	50-358 Q	7811200212	7811200209	78/11/15	50-346 B
7811170264	7811170260	78/10/03	50-358 Q	7811200213	7811200006	78/10/27	50-437 A
7811170265	7811170256	78/11/01	50-282 P	7811200214	7811200127	78/11/08	50-280 Q
7811170268	7811170256	78/11/01	50-282 P	7811200215	7811200006	78/10/27	50-437 A
7811170293	7811170289	78/11/02	50-148 Q	7811200217	7811200216	78/10/06	50-498 Q
7811170298	7811170294	78/11/10	50-329 C	7811200218	7811200216	78/10/06	50-498 Q
7811170299	7811170293	78/10/06	50-311 Q	7811200220	7811200006	78/10/27	50-437 A
7811170319	7811170316	78/10/16	50-6 Q	7811200221	7811200219	78/10/10	50-201 P
7811200013	7811200006	78/10/27	50-437 A	7811200224	7811200006	78/10/27	50-437 A
7811200015	7811200006	78/10/27	50-437 A	7811200232	7811200006	78/10/27	50-437 A
7811200019	7811200006	78/10/27	50-437 A	7811200236	7811200006	78/10/27	50-437 A
7811200024	7811200021	78/10/13	50-327 Q	7811200238	7811200006	78/10/27	50-437 A
7811200026	7811200006	78/10/27	50-437 A	7811200239	7811200233	78/08/11	50-437 A
7811200032	7811200006	78/10/27	50-437 A	7811200242	7811200006	78/10/27	50-437 A
7811200034	7811200029	78/10/11	50-324 Q	7811200243	7811200006	78/10/27	50-437 A
7811200039	7811200006	78/10/27	50-437 A	7811200246	7811200006	78/10/27	50-437 A
7811200043	7811200006	78/10/27	50-437 A	7811200248	7811200006	78/10/27	50-437 A
7811200049	7811200006	78/10/27	50-437 A	7811200253	7811200006	78/10/27	50-437 A
7811200053	7811200006	78/10/27	50-437 A	7811200258	7811200006	78/10/27	50-437 A
7811200058	7811200006	78/10/27	50-437 A	7811200259	7811200173	78/11/17	50-424 A
7811200063	7811200006	78/10/27	50-437 A	7811200261	7811200006	78/10/27	50-437 A
7811200067	7811200006	78/10/27	50-437 A	7811200263	7811200006	78/10/27	50-437 A
7811200069	7811200006	78/10/27	50-437 A	7811200267	7811200006	78/10/27	50-437 A
7811200073	7811200006	78/10/27	50-437 A	7811200270	7811200006	78/10/27	50-437 A
7811200076	7811200006	78/10/27	50-437 A	7811200272	7811200006	78/10/27	50-437 A
7811200078	7811200006	78/10/27	50-437 A	7811200276	7811200006	78/10/27	50-437 A
7811200080	7811200080	78/05/15	50-346 P	7811200279	7811200006	78/10/17	50-437 A
7811200082	7811200006	78/10/27	50-437 A	7811200285	7811200006	78/10/27	50-437 A
7811200083	7811200006	78/10/27	50-437 A	7811200288	7811200264	78/11/07	50-395 Q
7811200086	7811200006	78/10/27	50-437 A	7811200291	7811200006	78/10/27	50-437 A
7811200089	7811200006	78/10/27	50-437 A	7811200294	7811200264	78/11/07	50-395 Q
7811200092	7811200087	78/10/03	50-346 R	7811200295	7811200006	78/10/27	50-437 A
7811200093	7811200006	78/10/27	50-437 A	7811200298	7811200006	78/10/27	50-437 A
7811200095	7811200087	78/10/03	50-346 R	7811200302	7811200006	78/10/27	50-437 A
7811200096	7811200006	78/10/27	50-437 A	7811200310	7811200006	78/10/27	50-437 A
7811200098	7811200087	78/10/03	50-346 R	7811200313	7811200006	78/10/27	50-437 A
7811200100	7811200087	78/10/03	50-346 R	7811200327	7811200006	78/10/27	50-437 A
7811200102	7811200006	78/10/27	50-437 A	7811200330	7811200323	78/10/18	50-298 Q
7811200105	7811200006	78/10/27	50-437 A	7811200331	7811200006	78/10/27	50-437 A
7811200106	7811200087	78/10/03	50-346 R	7811200339	7811200006	78/10/27	50-437 A
7811200108	7811200006	78/10/27	50-437 A	7811200343	7811200006	78/10/27	50-437 A
7811200110	7811200006	78/10/27	50-437 A	7811200348	7811200006	78/10/27	50-437 A
7811200114	7811200006	78/10/27	50-437 A	7811200352	7811200006	78/10/27	50-437 A
7811200130	7811200006	78/10/27	50-437 A	7811200356	7811200350	78/11/17	50-313 P
7811200133	7811200127	78/11/08	50-280 Q	7811200359	7811200006	78/10/27	50-437 A
7811200134	7811200006	78/10/27	50-437 A	7811200365	7811200006	78/10/27	50-437 A
7811200136	7811200006	78/10/27	50-437 A	7811200369	7811200006	78/10/27	50-437 A
7811200138	7811200006	78/10/27	50-437 A	7811200375	7811200006	78/10/27	50-437 A
7811200140	7811200127	78/11/08	50-280 Q	7811200380	7811200006	78/10/27	50-437 A
7811200142	7811200006	78/10/27	50-437 A	7811200384	7811200366	78/11/09	50-275 A
7811200147	7811200006	78/10/27	50-437 A	7811200386	7811200006	78/10/27	50-437 A
7811200149	7811200143	78/11/01	50-368 B	7811200390	7811200006	78/10/27	50-437 A
7811200151	7811200006	78/10/27	50-437 A	7811200392	7811200366	78/11/09	50-275 A
7811200153	7811200006	78/10/27	50-437 A	7811200396	7811200006	78/10/27	50-437 A
7811200156	7811200006	78/10/27	50-437 A	7811200403	7811200006	78/10/27	50-437 A
7811200157	7811200006	78/10/27	50-437 A	7811200408	7811200006	78/10/27	50-437 A
7811200162	7811200006	78/10/27	50-437 A	7811200419	7811200006	78/10/27	50-437 A
7811200164	7811200150	78/11/15	50-219 P	7811200424	7811200006	78/10/27	50-437 A

7811200432	7811200006	78/10/27	50-437	A	7811210384	7811210380	78/11/15	50-320	R
7811200433	7811200006	78/10/27	50-437	A	7811210385	7811210378	78/04/04	50-213	G
7811200434	7811200006	78/10/27	50-437	A	7811210391	7811210383	78/11/14	50-315	S
					7811210392	7811210388	78/11/13	50-10	S
7811200435	7811200006	78/10/27	50-437	A	7811210394	7811210390	78/11/13	50-331	R
7811200436	7811200006	78/10/27	50-437	A	7811210404	7811210398	78/11/09	50-366	S
7811200437	7811200006	78/10/27	50-437	A	7811210409	7811210407	78/11/16	50-317	G
7811200439	7811200006	78/10/27	50-437	A	7811210422	7811210414	78/11/17	50-333	S
					7811210436	7811210415	78/10/16	50-266	O
7811200440	7811200006	78/10/27	50-437	A	7811210438	7811210437	78/11/14	50-316	R
7811200441	7811200006	78/10/27	50-437	A	7811210478	7811210463	78/11/06	50-356	H
7811200442	7811200006	78/10/27	50-437	A	7811210487	7811210480	78/10/04	50-313	O
7811210013	7811210005	78/10/19	50-456	Q	7811210501	7811210460	78/10/04	50-313	O
7811210024	7811210018	78/10/19	50-331	Q	7811220003	7811220002	78/11/09	50-335	Q
7811210027	7811210022	78/10/18	50-456	Q	7811220005	7811220002	78/11/09	50-335	Q
7811210044	7811210038	78/11/01	50-466	Q	7811220028	7811220026	78/11/14	50-321	S
7811210086	7811210065	78/11/13	50-70	U	7811220033	7811220031	78/11/09	50-254	R
7811210088	7811210083	78/10/10	50-339	Q	7811220059	7811220054	78/11/13	50-321	O
7811210106	7811210103	78/10/03	50-440	Q	7811220060	7811220058	78/11/07	50-549	T
7811210112	7811210103	78/10/03	50-440	Q	7811220062	7811220058	78/11/07	50-549	T
7811210115	7811210114	78/09/14	50-313	Q	7811220064	7811220054	78/11/13	50-321	O
7811210121	7811210114	78/09/14	50-313	Q	7811220065	7811220058	78/11/07	50-549	T
7811210125	7811210114	78/09/14	50-313	Q	7811220068	7811220058	78/11/07	50-549	T
7811210128	7811210114	78/09/14	50-313	Q	7811220070	7811220058	78/11/07	50-549	T
7811210169	7811210164	78/11/13	50-275	F	7811220077	7811220058	78/11/07	50-549	T
7811210173	7811210170	78/10/06	50-358	J	7811220078	7811220076	78/11/15	50-3	J
7811210179	7811210176	78/11/15	50-348	R	7811220081	7811220076	78/11/15	50-3	J
7811210181	7811210177	78/11/13	50-237	S	7811220082	7811220058	78/11/07	50-549	T
7811210183	7811210178	78/10/24	50-496	A	7811220084	7811220058	78/11/07	50-549	T
7811210186	7811210184	78/11/15	50-289	R	7811220088	7811220058	78/11/07	50-549	T
7811210192	7811210187	78/11/13	50-368	R	7811220091	7811220087	78/11/15	50-260	O
7811210205	7811210200	78/11/06	50-286	P	7811220092	7811220058	78/11/07	50-549	T
7811210209	7811210200	78/11/06	50-286	P	7811220093	7811220087	78/11/15	50-260	O
7811210213	7811210200	78/11/06	50-286	P	7811220095	7811220087	78/11/15	50-260	O
7811210216	7811210214	78/10/12	50-331	Q	7811220096	7811220058	78/11/07	50-549	T
7811210220	7811210214	78/10/12	50-331	Q	7811220099	7811220087	78/11/15	50-260	O
7811210226	7811210217	78/11/13	50-424	A	7811220118	7811220113	78/11/09	50-348	P
7811210241	7811210239	78/11/14	50-219	R	7811220123	7811220113	78/11/09	50-348	P
7811210243	7811210238	78/11/14	50-266	S	7811220125	7811220113	78/11/09	50-348	P
7811210253	7811210246	78/11/07	50-366	S	7811220140	7811220138	78/10/30	50-263	P
7811210265	7811210260	78/11/14	50-315	P	7811220143	7811220138	78/10/30	50-263	P
7811210266	7811210259	78/11/14	50-281	S	7811220144	7811220138	78/10/30	50-263	P
7811210269	7811210263	78/11/01	50-293	R	7811220148	7811220145	78/11/03	50-338	P
7811210275	7811210268		50-336	B	7811220152	7811220149	78/11/06	50-366	Q
7811210278	7811210271	78/11/15	50-315	B	7811220169	7811220168	78/11/14	50-361	A
7811210283	7811210281	78/11/15	50-220	B	7811220178	7811220176	78/11/17	50-329	G
7811210284	7811210282	78/11/14	50-213	R	7811220180	7811220177	78/09/22	50-325	P
7811210287	7811210281	78/11/15	50-220	B	7811220182	7811220181	78/11/20	50-275	A
7811210289	7811210242	78/11/09	50-338	Q	7811220187	7811220183	78/11/13	50-324	S
7811210291	7811210280	78/11/16	50-245	B	7811220188	7811220183	78/11/15	50-269	S
7811210292	7811210281	78/11/15	50-220	B	7811220191	7811220186	78/11/15	50-220	P
7811210294	7811210290	78/11/14	50-338	B	7811220192	7811220189	78/11/17	50-286	S
7811210299	7811210293	78/11/20	50-341	K	7811220193	7811220186	78/11/15	50-220	P
7811210303	7811210302	78/11/08	50-220	R	7811220197	7811220195	78/11/17	50-397	S
7811210304	7811210301	78/10/27	50-237	B	7811220199	7811220196	78/11/17	50-305	S
7811210310	7811210305	78/11/15	50-327	A	7811220202	7811220200	78/11/08	50-309	S
7811210311	7811210308	78/09/25	50-213	B	7811220203	7811220201	78/11/08	50-230	S
7811210315	7811210313	78/11/17	50-338	B	7811220217	7811220213	78/11/01	50-309	S
7811210318	7811210313	78/11/14	50-275	A	7811220252	7811220251	78/10/27	50-220	P
7811210324	7811210321	78/11/16	50-219	S	7811220256	7811220254	78/10/16	50-261	Q
7811210325	7811210317	78/11/15	50-29	S	7811220267	7811220263	78/10/17	50-275	Q
7811210335	7811210330	78/11/16	50-255	S	7811220282	7811220280	78/11/09	50-395	Q
7811210336	7811210332	78/11/15	50-320	S	7811220284	7811220280	78/11/09	50-395	Q
7811210337	7811210330	78/11/16	50-255	S	7811240007	7811240001	78/11/13	50-335	Q
7811210339	7811210333	78/11/01	50-249	S	7811240009	7811240001	78/11/13	50-335	Q
7811210344	7811210340	78/11/15	50-3	R	7811240011	7811240001	78/11/13	50-335	Q
7811210345	7811210341	78/11/14	50-293	S	7811240013	7811240001	78/11/13	50-335	Q
7811210346	7811210342	78/11/13	50-321	S	7811240027	7811240025	78/11/09	50-250	Q
7811210352	7811210347	78/11/13	50-346	S	7811240032	7811240029	78/11/13	50-363	H
7811210357	7811210347	78/11/13	50-346	S	7811240033	7811240025	78/11/09	50-250	Q
7811210358	7811210355	78/11/13	50-348	S	7811240038	7811240044	78/10/10	50-29	J
7811210359	7811210347	78/11/13	50-346	S	7811240050	7811240046	78/11/15	50-338	O
7811210362	7811210347	78/11/13	50-346	S	7811240052	7811240046	78/11/15	50-338	O
7811210366	7811210361	78/11/15	50-321	B	7811240055	7811240046	78/11/15	50-338	O
7811210370	7811210351	78/11/09	50-366	S	7811240057	7811240046	78/11/15	50-338	O
7811210371	7811210368	78/11/08	50-283	S	7811240059	7811240046	78/11/15	50-338	O
7811210374	7811210347	78/11/13	50-346	S	7811240072	7811240067	78/11/17	50-440	G
7811210375	7811210372	78/11/14	50-346	S	7811240074	7811240071	78/11/14	50-302	G
7811210379	7811210372	78/11/14	50-346	S					

CROSS REFERENCE OF ENCLOSURES TO PRINCIPAL DOCUMENTS

ACCESSION NUMBER				ACCESSION NUMBER			
ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY	ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY
7811240077	7811240071	78/11/14	50-302 Q	7811270146	7811270138	78/11/20	50-368 B
7811240079	7811240071	78/11/14	50-302 Q	7811270149	7811270138	78/11/20	50-368 B
7811240081	7811240071	78/11/14	50-302 Q	7811270150	7811270148	78/06/30	50-321 B
7811240094	7811240091	78/11/15	50-70 U	7811270151	7811270147	78/11/21	50-329 A
7811240096	7811240091	78/11/15	50-70 U	7811270156	7811270154	78/11/21	50-267 P
7811240103	7811240102	78/11/21	50-220 Q	7811270159	7811270157	78/11/20	50-369 A
7811240116	7811240114	78/11/22	50-498 C	7811270168	7811270165	78/11/17	50-369 K
7811240126	7811240124	78/10/25	50-263 B	7811270178	7811270177	78/10/18	50-482 Q
7811240128	7811240129	78/11/16	50-394 B	7811270181	7811270177	78/10/18	50-482 Q
7811240129	7811240127	78/10/13	50-295 B	7811270199	7811270194	78/10/11	50-522 Q
7811240134	7811240131	78/10/13	50-301 B	7811270205	7811270201	78/10/11	50-382 Q
7811240136	7811240130	78/11/22	50-301 B	7811270209	7811270201	78/10/11	50-382 Q
7811240137	7811240132	78/11/20	50-272 B	7811270246	7811270243	78/11/09	50-333 P
7811240139	7811240035	78/11/06	50-304 B	7811270250	7811270243	78/11/09	50-333 P
7811240142	7811240141	78/11/20	50-311 A	7811270253	7811270243	78/11/09	50-333 P
7811240147	7811240154	78/10/19	50-304 B	7811280007	7811280004	78/11/08	50-206 P
7811240156	7811240153	78/11/03	50-263 B	7811280008	7811280006	78/11/13	50-321 Q
7811240158	7811240155	78/10/23	50-266 B	7811280012	7811280006	78/11/13	50-321 Q
7811240161	7811240157	78/11/13	50-322 Q	7811280032	7811210018	78/10/19	50-331 Q
7811240172	7811240171	78/11/01	50-315 B	7811280044	7811280050	78/10/16	50-556 Q
7811240173	7811240171	78/11/01	50-315 B	7811280060	7811280058	78/10/12	50-285 Q
7811240174	7811240171	78/11/01	50-315 B	7811280062	7811280058	78/10/12	50-285 Q
7811240177	7811240175	78/10/19	50-254 B	7811280082	7811280080	78/11/14	50-29 P
7811240178	7811240176	78/11/14	50-304 B	7811280083	7811280080	78/11/14	50-29 P
7811240181	7811240179	78/10/27	50-254 B	7811280084	7811280080	78/11/14	50-29 P
7811240189	7811240187	78/11/17	50-245 B	7811280104	7811280101	78/11/16	50-373 A
7811240193	7811240192	78/10/26	50-265 B	7811280159	7811280157	78/11/20	50-488 I
7811240194	7811240195	78/10/25	50-304 B	7811280172	7811280170	78/11/08	50-250 F
7811240198	7811240197	78/10/13	50-295 B	7811280174	7811280170	78/11/08	50-250 F
7811240201	7811240200	78/10/13	50-295 B	7811280178	7811280170	78/11/08	50-250 F
7811240204	7811240203	78/10/30	50-265 B	7811280191	7811280187	78/11/21	50-259 B
7811240206	7811240205	78/11/03	50-295 B	7811280196	7811280193	78/11/16	50-219 B
7811240208	7811240207	78/11/03	50-295 B	7811280197	7811280194	78/11/17	50-249 B
7811240211	7811240210	78/10/17	50-237 B	7811280202	7811280198	78/11/22	50-346 B
7811240213	7811240212	78/10/13	50-295 B	7811280203	7811280201	78/11/24	50-260 B
7811240217	7811240215	78/11/13	50-317 B	7811280206	7811280204	78/11/20	50-331 B
7811240220	7811240218	78/10/13	50-304 B	7811280207	7811280205	78/11/22	50-259 B
7811240223	7811240221	78/10/13	50-295 B	7811280211	7811280208	78/11/16	50-368 B
7811240224	7811240222	78/10/20	50-265 B	7811280220	7811280217	78/11/20	50-366 B
7811240228	7811240226	78/11/17	50-267 E	7811280224	7811280222	78/11/20	50-366 B
7811240229	7811240227	78/10/27	50-295 B	7811280230	7811280227	78/11/20	50-278 B
7811240234	7811240232	78/11/17	50-267 B	7811280238	7811280236	78/11/21	50-280 B
7811240235	7811240231	78/10/06	50-155 B	7811280239	7811280234	78/11/22	50-263 B
7811240240	7811240237	78/10/25	50-294 B	7811280242	7811270235	78/11/20	50-321 B
7811240241	7811240239	78/11/01	50-265 B	7811280244	7811280234	78/11/22	50-263 B
7811270012	7811270011	78/10/16	50-338 Q	7811280249	7811280234	78/11/22	50-263 B
7811270014	7811270011	78/10/16	50-338 Q	7811280253	7811280234	78/11/22	50-263 B
7811270019	7811270018	78/11/08	50-315 P	7811280254	7811270248	78/11/22	50-358 B
7811270020	7811270018	78/11/08	50-315 P	7811280256	7811280234	78/11/22	50-263 B
7811270021	7811270018	78/11/08	50-315 P	7811280253	7811280260	78/11/17	50-247 B
7811270023	7811270018	78/11/08	50-315 P	7811280269	7811280264	78/11/27	50-373 K
7811270040	7811270039	78/10/12	50-445 Q	7811280270	7811280260	78/11/17	50-247 B
7811270043	7811270041	78/11/01	50-298 E	7811280271	7811280268	78/11/20	50-302 R
7811270046	7811270044	78/10/16	50-361 Q	7811280272	7811280267	78/11/22	50-348 B
7811270050	7811270048	78/11/08	50-483 Q	7811280276	7811280273	78/11/21	50-272 J
7811270054	7811270052	78/11/07	50-488 A	7811280281	7811280277	78/11/21	50-206 B
7811270058	7811270056	78/10/24	50-312 Q	7811280289	7811280285	78/11/22	50-267 B
7811270061	7811270059	78/11/13	50-348 P	7811280290	7811270284	78/11/20	50-29 B
7811270063	7811270059	78/11/13	50-348 P	7811280292	7811280286	78/11/20	50-281 B
7811270066	7811270059	78/11/13	50-348 P	7811280293	7811280288	78/11/20	50-366 B
7811270073	7811270071	78/11/09	50-10 P	7811280298	7811280294	78/11/21	50-296 B
7811270077	7811270060	78/11/22	50-493 P	7811280300	7811280295	78/11/21	50-336 B
7811270078	7811270071	78/11/09	50-10 P	7811280302	7811280297	78/11/22	50-549 Q
7811270080	7811270069	78/11/03	50-315 P	7811280305	7811280299	78/11/22	50-305 B
7811270081	7811270071	78/11/09	50-10 P	7811280307	7811280303	78/11/20	50-302 B
7811270089	7811270088	78/10/20	50-312 Q	7811280309	7811280301	78/11/13	50-249 B
7811270093	7811270088	78/10/20	50-312 Q	7811280310	7811280299	78/11/22	50-305 B
7811270096	7811270088	78/10/20	50-312 Q	7811280313	7811280304	78/11/22	50-278 B
7811270097	7811270088	78/10/20	50-312 Q	7811280317	7811280315	78/11/24	50-344 P
7811270099	7811270094	78/11/21	50-135 P	7811280318	7811280312	78/11/22	50-267 B
7811270103	7811270100	78/11/06	50-263 P	7811280320	7811280316	78/11/22	50-338 B
7811270106	7811270100	78/11/06	50-263 P	7811280321	7811280316	78/11/22	50-338 B
7811270107	7811270102	78/10/19	50-344 Q	7811280323	7811270314	78/11/22	50-29 B
7811270110	7811270106	78/11/06	50-263 P	7811280329	7811280322	78/11/20	50-338 B
7811270115	7811270111	78/10/16	50-344 Q	7811280326	7811280322	78/11/20	50-338 B
7811270126	7811270121	78/10/19	50-70 Q	7811280327	7811280324	78/11/22	50-344 Q
7811270129	7811270123	78/11/13	50-298 Q	7811280330	7811280322	78/11/20	50-338 B
7811270134	7811270130	78/11/17	50-271 P	7811280332	7811280328	78/11/20	50-29 B
7811270142	7811270138	78/11/20	50-368 B	7811280335	7811280333	78/11/22	50-293 B
7811270144	7811270138	78/11/20	50-368 B	7811280339	7811280336	78/11/20	50-348 B

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7811280342	7811280336	78/11/20	50-348 S
7811280348	7811280336	78/11/20	50-348 S
7811280390	7811280378	78/11/06	50-269 Q
7811280398	7811280378	78/11/06	50-269 Q
7811280434	7811280425	78/11/09	50-400 A
7811280458	7811280454	78/11/06	50-412 B
7811280493	7811280491	78/09/29	50-331 P
7811280494	7811280491	78/09/29	50-331 P
7811290003	7811290003	78/11/14	50-872 A
7811290006	7811290003	78/11/14	50-572 A
7811290046	7811290044	78/11/03	50-514 Q
7811290099	7811290095	78/11/11	50-219 P
7811290104	7811290095	78/11/11	50-219 P
7811290106	7811290095	78/11/11	50-219 P
7811290166	7811290152	78/11/06	50-280 P
7811290168	7811290152	78/11/06	50-280 P
7811290172	7811290152	78/11/06	50-280 P
7811290175	7811290152	78/11/06	50-280 P
7811290203	7811290198	78/11/25	50-29 S
7811290235	7811290229	78/11/16	50-335 S
7811290251	7811290247	78/11/27	50-315 K
7811290252	7811290240	78/11/24	50-390 K
7811290257	7811290244	78/11/24	50-317 S
7811290292	7811290291	78/11/13	50-245 R
7811290304	7811290297	78/10/26	50-70 Q
7811290315	7811290310	78/11/02	50-112 P
7811290318	7811290317	78/11/08	50-309 P
7811290319	7811290317	78/11/08	50-309 P
7811290322	7811290320	78/11/14	50-389 Q
7811290323	7811290321	78/10/19	50-366 Q
7811290325	7811290320	78/11/14	50-389 Q
7811290326	7811290324	78/10/25	50-320 Q
7811290331	7811290327	78/10/25	50-346 Q
7811290332	7811290328	78/11/17	50-336 Q
7811290335	7811290328	78/11/17	50-336 Q
7811290336	7811290333	78/10/25	50-266 Q
7811290338	7811290328	78/11/17	50-336 Q
7811290339	7811290328	78/11/17	50-336 Q
7811290341	7811290337	78/11/14	50-443 S
7811290344	7811290337	78/11/14	50-443 S
7811290358	7811290346	78/11/03	50-400 Q
7811290366	7811290346	78/11/03	50-400 Q
7811290389	7811290387	78/10/13	50-272 Q
7811290397	7811290393	78/10/23	50-183 Q
7811300004	7811300003	78/11/17	50-335 Q
7811300010	7811300003	78/11/17	50-335 Q
7811300011	7811300007	78/11/17	50-329 A
7811300013	7811300003	78/11/17	50-335 Q
7811300019	7811300007	78/11/17	50-329 A
7811300020	7811300017	78/11/16	50-445 Q
7811300023	7811300007	78/11/17	50-329 A
7811300025	7811300063	78/11/24	50-133 Q
7811300064	7811300058	78/11/13	50-237 P
7811300067	7811300058	78/11/13	50-237 P
7811300070	7811300058	78/11/13	50-237 P
7811300073	7811300058	78/11/13	50-237 P
7811300077	7811300058	78/11/13	50-237 P
7811300085	7811300058	78/11/13	50-237 P
7811300102	7811300100	78/10/30	50-338 A
7811300109	7811300105	78/11/17	50-445 Q
7811300117	7811300114	78/11/20	50-255 Q
7811300138	7811300135	78/10/26	50-155 Q
7811300141	7811300135	78/10/26	50-155 Q
7811300167	7811300165	78/11/02	50-400 Q
7811300170	7811300165	78/11/02	50-400 Q
7811300174	7811300172	78/11/22	50-270 B
7811300181	7811300177	78/11/22	50-316 B
7811300185	7811300177	78/11/22	50-316 B
7811300188	7811300177	78/11/22	50-316 B
7811300190	7811300184	78/11/17	50-335 B
7811300193	7811300177	78/11/22	50-316 B
7811300199	7811300196	78/11/17	50-317 S
7811300205	7811300203	78/11/22	50-591 K
7811300213	7811300209	78/11/20	50-361 Q
7811300218	7811300215	78/11/14	50-433 J
7811300220	7811300217	78/11/22	50-277 Q
7811300221	7811300228	78/09/29	50-358 Q
7811300223	7811300211	78/11/24	50-318 S
7811300243	7811300241	78/11/03	50-334 Q
7811300246	7811300241	78/11/03	50-334 Q

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7811300248	7811300241	78/11/03	50-334 Q
7811300250	7811300241	78/11/03	50-334 Q
7811300254	7811300231	78/10/26	50-440 Q
7811300260	7811300237	78/10/23	50-358 Q
7811300264	7811300261	78/10/23	50-10 Q
7811300268	7811300261	78/10/23	50-10 Q
7811300298	7811300295	78/10/10	50-272 Q
7811300304	7811300303	78/10/10	50-322 Q
7811300318	7811300314	78/09/29	50-255 Q
7811300339	7811300336	78/10/18	50-390 Q
7811300340	7811300337	78/10/19	50-247 Q
7811300342	7811300341	78/10/24	50-213 Q
7811300347	7811300345	78/10/17	50-412 Q
7811300350	7811300349	78/10/27	50-255 Q
7811300352	7811300344	78/11/13	50-592 H
7811300354	7811300349	78/10/27	50-253 Q
7811300362	7811300361	78/09/13	50-184 Q
7811300363	7811300361	78/09/13	50-184 Q
7811300377	7811300366	78/10/18	50-20 Q
7811300380	7811300366	78/10/18	50-20 Q
7811300382	7811300370	78/11/16	50-490 Q
7811300387	7811300383	78/10/13	50-410 Q
7811300401	7811300398	78/09/29	50-263 Q
7811300402	7811300397	78/10/23	50-373 Q
7812010012	7812010008	78/11/13	50-277 Q
7812010014	7812010010	78/11/21	50-275 A
7812010015	7812010010	78/11/21	50-275 A
7812010016	7812010008	78/11/15	50-277 Q
7812010019	7812010010	78/11/21	50-275 A
7812010025	7812010008	78/11/15	50-277 Q
7812010031	7812010008	78/11/15	50-277 Q
7812010036	7812010034	78/10/20	50-333 Q
7812010040	7812010038	78/10/18	50-366 Q
7812010041	7812010037	78/10/20	50-220 Q
7812010042	7812010039	78/11/21	50-471 Q
7812010044	7812010039	78/11/21	50-471 Q
7812010046	7812010039	78/11/21	50-471 Q
7812010050	7812010039	78/11/21	50-471 Q
7812010057	7812010039	78/11/21	50-471 Q
7812010059	7812010039	78/11/21	50-471 Q
7812010062	7812010047	78/10/23	50-286 Q
7812010070	7812010065	78/09/29	50-303 Q
7812010076	7812010033	78/11/09	50-286 Q
7812010081	7812010033	78/11/09	50-286 Q
7812010085	7812010033	78/11/09	50-286 Q
7812010089	7812010033	78/11/09	50-286 Q
7812010092	7812010033	78/11/09	50-286 Q
7812010093	7812010090	78/11/17	50-309 Q
7812010096	7812010033	78/11/09	50-286 Q
7812010097	7812010090	78/11/17	50-309 Q
7812010099	7812010090	78/11/17	50-309 Q
7812010103	7812010090	78/11/17	50-309 Q
7812010104	7812010100	78/11/15	50-250 Q
7812010109	7812010100	78/11/15	50-250 Q
7812010111	7812010108	78/10/18	50-29 Q
7812010119	7812010116	78/11/16	50-230 Q
7812010126	7812010124	78/10/27	50-235 Q
7812010128	7812010125	78/10/16	50-230 Q
7812010129	7812010124	78/10/27	50-235 Q
7812010131	7812010130	78/11/20	50-219 Q
7812010132	7812010130	78/11/20	50-219 Q
7812010134	7812010130	78/11/20	50-219 Q
7812010136	7812010130	78/11/20	50-219 Q
7812010150	7812010147	78/10/18	50-244 Q
7812010168	7812010162	78/11/14	50-369 A
7812010182	7812010175	78/10/20	50-160 Q
7812010213	7812010207	78/11/27	50-346 S
7812010216	7812010214	78/11/27	50-309 Q
7812010229	7812010223	78/11/30	50-416 K
7812010240	7812010238	78/11/23	50-285 S
7812010243	7812010244	78/11/27	50-269 S
7812010247	7812010246	78/11/24	50-302 S
7812010249	7812010248	78/11/15	50-447 A
7812010252	7812010251	78/11/27	50-329 K
7812010254	7812010253	78/11/27	50-348 S
7812010265	7812010264	78/11/29	50-338 S
7812010268	7812010266	78/10/26	50-327 S
7812010274	7812010272	78/10/20	50-245 Q
7812010276	7812010275	78/10/23	50-219 Q
7812010278	7812010277	78/10/10	50-29 Q

ACCESSION NUMBER				ACCESSION NUMBER			
ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY	ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY
7812010292	7812010280	78/10/18	50-320 Q	7812050016	7812050012	78/11/18	50-259 P
7812010296	7812010284	78/10/23	50-409 Q	7812050017	7812050003	78/11/16	50-259 P
7812010295	7812010291	78/11/06	50-317 Q	7812050018	7812050008	78/11/24	50-348 Q
7812010296	7812010291	78/11/06	50-317 Q	7812050019	7812050012	78/11/18	50-259 P
7812010298	7812010291	78/11/06	50-317 Q	7812050020	7812050012	78/11/18	50-259 P
7812010303	7812010291	78/11/06	50-317 Q	7812050022	7812050003	78/11/16	50-259 P
7812010305	7812010301	78/11/22	50-368 Q	7812050023	7812050003	78/11/16	50-259 P
7812010308	7812010306	78/10/20	50-320 Q	7812050025	7812050021	78/11/20	50-269 Q
7812010347	7812010344	78/11/14	50-312 F	7812050026	7812050003	78/11/16	50-259 P
7812010359	7812010344	78/11/14	50-312 F	7812050027	7812050011	78/10/30	50-10 Q
7812010362	7812010344	78/11/14	50-312 F	7812050029	7812050021	78/11/20	50-269 Q
7812010374	7812010370	78/11/13	50-313 P	7812050030	7812050021	78/11/20	50-269 Q
7812010377	7812010370	78/11/13	50-313 P	7812050031	7812050021	78/11/20	50-269 Q
7812010380	7812010370	78/11/13	50-313 P	7812050044	7812050043	78/11/27	50-213 U
7812010381	7812010370	78/11/13	50-313 P	7812050051	7812050047	78/11/09	50-295 Q
7812040012	7812040007	78/11/17	50-206 P	7812050057	7812050053	78/10/27	50-259 Q
7812040017	7812040007	78/11/17	50-206 P	7812050058	7812050055	78/11/09	50-556 Q
7812040018	7812040014	78/11/20	50-556 T	7812050067	7812050063	78/11/24	50-302 Q
7812040020	7812040007	78/11/17	50-206 P	7812050070	7812050063	78/11/24	50-302 Q
7812040026	7812040021	78/10/25	50-452 Q	7812050072	7812050063	78/11/24	50-302 Q
7812040031	7812040028	78/11/20	50-344 Q	7812050074	7812050063	78/11/24	50-302 Q
7812040038	7812040033	78/10/31	50-234 Q	7812050094	7812050092	78/11/17	50-329 A
7812040046	7812040033	78/10/31	50-234 Q	7812050097	7812050092	78/11/17	50-329 A
7812040055	7812040049	78/11/21	50-390 Q	7812050117	7812050111	78/11/21	50-327 Q
7812040059	7812040049	78/11/21	50-390 Q	7812050123	7812050111	78/11/21	50-327 Q
7812040062	7812040049	78/11/21	50-390 Q	7812050133	7812050131	78/11/24	50-335 Q
7812040066	7812040049	78/11/21	50-390 Q	7812050138	7812050135	78/10/13	50-298 B
7812040074	7812040071	78/11/16	50-148 P	7812050140	7812050111	78/11/21	50-327 Q
7812040079	7812040071	78/11/16	50-148 P	7812050145	7812050144	78/11/13	50-298 B
7812040084	7812040072	78/11/15	50-397 Q	7812050147	7812050111	78/11/21	50-327 Q
7812040127	7812040122	78/11/16	50-498 Q	7812050150	7812050111	78/11/21	50-327 Q
7812040137	7812040133	78/11/07	50-549 Q	7812050161	7812050153	78/11/28	50-336 B
7812040144	7812040141	78/11/09	50-305 Q	7812050162	7812050157	78/11/28	50-346 B
7812040159	7812040156	78/11/28	50-333 B	7812050164	7812050160	78/11/28	50-213 R
7812040163	7812040160	78/10/26	50-546 Q	7812050165	7812050158	78/10/23	50-327 Q
7812040170	7812040167	78/11/13	50-395 Q	7812050170	7812050166	78/09/28	50-298 B
7812040174	7812040172	78/06/12	50-255 Q	7812050172	7812050169	78/10/23	50-296 Q
7812040175	7812040167	78/11/13	50-395 Q	7812050175	7812050167	78/11/30	50-255 B
7812040176	7812040173	78/11/27	50-293 B	7812050179	7812050173	78/11/30	50-283 B
7812040178	7812040172	78/06/12	50-255 Q	7812050181	7812050176	78/11/27	50-251 B
7812040181	7812040180	78/10/18	50-395 Q	7812050190	7812050184	78/12/04	50-367 A
7812040189	7812040187	78/11/24	50-250 B	7812050192	7812050185	78/11/29	50-293 B
7812040195	7812040191	78/11/17	50-237 B	7812050198	7812050195	78/11/27	50-335 B
7812040197	7812040192	78/10/20	50-327 B	7812050201	7812050199	78/11/27	50-296 B
7812040204	7812040201	78/11/30	50-454 K	7812050203	7812050200	78/12/04	50-466 B
7812040207	7812040201	78/11/30	50-454 K	7812050206	7812050204	78/11/28	50-346 B
7812040210	7812040208	78/11/30	50-454 K	7812050209	7812050208	78/11/30	50-280 B
7812040211	7812040209	78/11/29	50-338 B	7812050211	7812050208	78/11/30	50-280 B
7812040213	7812040209	78/11/29	50-338 B	7812050214	7812050208	78/11/30	50-280 B
7812040214	7812040212	78/11/30	50-456 C	7812050218	7812050217	78/11/28	50-346 B
7812040215	7812040209	78/11/29	50-338 B	7812050221	7812050220	78/11/30	50-447 A
7812040217	7812040209	78/11/29	50-338 B	7812050226	7812050223	78/11/30	50-338 B
7812040219	7812040216	78/11/27	50-409 B	7812050238	7812050236	78/10/19	50-456 Q
7812040222	7812040221	78/11/20	50-251 B	7812050241	7812050236	78/10/19	50-456 Q
7812040225	7812040224	78/11/16	50-272 F	7812050242	7812050240	78/11/16	50-250 Q
7812040227	7812040226	78/10/27	50-390 B	7812050246	7812050240	78/11/16	50-250 Q
7812040233	7812040230	78/11/29	50-280 B	7812050249	7812050240	78/11/16	50-250 Q
7812040239	7812040237	78/11/29	50-155 B	7812050251	7812050243	78/11/30	50-259 P
7812040241	7812040237	78/11/29	50-155 B	7812050252	7812050245	78/11/09	50-308 Q
7812040249	7812040243	78/11/17	50-89 P	7812050258	7812050266	78/11/09	50-390 B
7812040281	7812040277	78/09/22	50-413 B	7812050270	7812050265	78/11/03	50-327 B
7812040288	7812040285	78/11/09	50-305 Q	7812050280	7812050276	78/11/30	50-537 B
7812040302	7812040301	78/11/27	50-466 Q	7812050284	7812050283	78/11/24	50-437 A
7812040324	7812040321	78/11/15	50-275 Q	7812050285	7812050281	78/11/27	50-356 Q
7812040325	7812040322	78/10/23	50-260 Q	7812050289	7812050283	78/11/24	50-437 A
7812040327	7812040321	78/11/15	50-275 Q	7812050290	7812050286	78/11/07	50-97 Q
7812040328	7812040326	78/11/22	50-269 Q	7812050293	7812050286	78/11/07	50-97 Q
7812040330	7812040321	78/11/15	50-275 Q	7812050295	7812050286	78/11/07	50-97 Q
7812040332	7812040326	78/11/22	50-269 Q	7812050297	7812050283	78/11/24	50-437 A
7812040334	7812040321	78/11/15	50-275 Q	7812050298	7812050286	78/11/07	50-97 Q
7812040335	7812040326	78/11/22	50-269 Q	7812050301	7812050283	78/11/24	50-437 A
7812040338	7812040321	78/11/15	50-275 Q	7812050304	7812050286	78/11/07	50-97 Q
7812040339	7812040326	78/11/22	50-269 Q	7812050304	7812050286	78/11/07	50-97 Q
7812050002	7812050001	78/10/27	50-13 Q	7812050307	7812050303	78/10/24	50-387 Q
7812050005	7812050001	78/10/27	50-13 Q	7812050304	7812050306	78/11/16	50-333 P
7812050009	7812050003	78/11/16	50-259 P	7812050308	7812050306	78/11/16	50-333 P
7812050010	7812050008	78/11/24	50-348 Q	7812050309	7812050300	78/11/08	50-349 T
7812050013	7812050004	77/12/13	50-3 P	7812050306	7812050350	78/11/08	50-349 T
7812050014	7812050008	78/11/24	50-348 Q	7812050372	7812050370	78/11/13	50-341 Q

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7812050016	7812050012	78/11/18	50-259 P
7812050017	7812050003	78/11/16	50-259 P
7812050018	7812050008	78/11/24	50-348 Q
7812050019	7812050012	78/11/18	50-259 P
7812050020	7812050012	78/11/18	50-259 P
7812050022	7812050003	78/11/16	50-259 P
7812050023	7812050003	78/11/16	50-259 P
7812050025	7812050021	78/11/20	50-269 Q
7812050026	7812050003	78/11/16	50-259 P
7812050027	7812050011	78/10/30	50-10 Q
7812050029	7812050021	78/11/20	50-269 Q
7812050030	7812050021	78/11/20	50-269 Q
7812050031	7812050021	78/11/20	50-269 Q
7812050044	7812050043	78/11/27	50-213 U
7812050051	7812050047	78/11/09	50-295 Q
7812050057	7812050053	78/10/27	50-259 Q
7812050058	7812050055	78/11/09	50-556 Q
7812050067	7812050063	78/11/24	50-302 Q
7812050070	7812050063	78/11/24	50-302 Q
7812050072	7812050063	78/11/24	50-302 Q
7812050074	7812050063	78/11/24	50-302 Q
7812050094	7812050092	78/11/17	50-329 A
7812050097	7812050092	78/11/17	50-329 A
7812050117	7812050111	78/11/21	50-327 Q
7812050125	7812050111	78/11/21	50-327 Q
7812050133	7812050131	78/11/24	50-335 B
7812050138	7812050135	78/10/13	50-298 B
7812050140	7812050111	78/11/21	50-327 Q
7812050145	7812050144	78/11/13	50-298 B
7812050147	7812050111	78/11/21	50-327 Q
7812050150	7812050111	78/11/21	50-327 Q
7812050161	7812050153	78/11/28	50-336 B
7812050162	7812050157	78/11/28	50-346 B
7812050164	7812050160	78/11/28	50-213 R
7812050165	7812050158	78/10/23	50-327 Q
7812050170	7812050166	78/09/28	50-298 B
7812050172	7812050169	78/10/23	50-296 Q
7812050175	7812050167	78/11/30	50-255 B
7812050179	7812050173	78/11/30	50-283 B
7812050181	7812050176	78/11/27	50-251 B
7812050190	7812050184	78/12/04	50-367 A
7812050192	7812050185	78/11/29	50-293 B
7812050198	7812050195	78/11/27	50-335 B
7812050201	7812050199	78/11/27	50-296 B
7812050203	7812050200	78/12/04	50-466 B
7812050206	7812050204	78/11/28	50-346 B
7812050209	7812050208	78/11/30	50-280 B
7812050211	7812050208	78/11/30	50-280 B
7812050214	7812050208	78/11/30	50-280 B
7812050218	7812050217	78/11/28	50-346 B
7812050221	7812050220	78/11/30	50-447 A
7812050226	7812050223	78/11/30	50-338 B
7812050238	7812050236	78/10/19	50-456 Q
7812050241	7812050236	78/10/19	50-456 Q
7812050242	7812050240	78/11/16	50-250 Q
7812050246	7812050240	78/11/16	50-250 Q
7812050249	7812050240	78/11/16	50-250 Q
7812050251	7812050243	78/11/30	50-259 P
7812050252	7812050245	78/11/09	50-305 Q
7812050258	7812050266	78/11/09	50-390 B
7812050270	7812050265	78/11/03	50-327 B
7812050280	7812050276	78/11/30	50-537 B
7812050284	7812050283	78/11/24	50-437 A
7812050285	7812050281	78/11/07	50-356 Q
7812050289	7812050283	78/11/24	50-437 A
7812050290	7812050286	78/11/07	50-97 Q
7812050293	7812050283	78/11/24	50-437 A
7812050295	7812050286	78/11/07	50-97 Q
7812050297	7812050287	78/11/07	50-437 A
7812050298	7812050286	78/11/24	50-97 Q
7812050301	7812050283	78/11/24	50-437 A
7812050304	7812050286	78/11/07	50-97 Q
7812050306	7812050286	78/11/07	50-97 Q
7812050307	7812050303	78/10/24	50-382 Q
7812050343	7812050336	78/11/16	50-333 P
7812050348	7812050336	78/11/16	50-333 P
7812050351	7812050336	78/11/16	50-333 P
7812050354	7812050350	78/11/08	50-949 T
7812050356	7812050350	78/11/08	50-349 T
7812050372	7812050370	78/11/13	50-341 T

CROSS REFERENCE OF ENCLOSURES TO PRINCIPAL DOCUMENTS

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ACCESSION NUMBER				ACCESSION NUMBER			
ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY	ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY
7812060009	7812060003	78/11/16	30-321 P	7812070063	7812070056	78/11/13	30-275 E
7812060013	7812060003	78/11/16	30-321 P	7812070065	7812070059	78/11/28	30-261 O
7812060021	7812060015	78/11/28	30-259 O	7812070067	7812070056	78/11/15	30-275 E
7812060026	7812060015	78/11/28	30-259 O	7812070069	7812070059	78/11/28	30-261 O
7812060028	7812060025	78/11/29	30-395 O	7812070071	7812070059	78/11/28	30-261 O
7812060029	7812060025	78/11/29	30-395 O	7812070075	7812070059	78/11/28	30-261 O
7812060030	7812060015	78/11/28	30-259 O	7812070076	7812070074	78/10/30	30-263 O
7812060032	7812060025	78/11/29	30-395 O	7812070077	7812070082	78/11/20	30-321 O
7812060033	7812060015	78/11/28	30-259 O	7812070087	7812070105	78/11/03	30-456 O
7812060035	7812060025	78/11/29	30-395 O	7812070108	7812070110	78/11/21	30-322 S
7812060048	7812060044	78/11/21	30-285 O	7812070116	7812070111	78/11/30	30-445 K
7812060052	7812060049	78/11/29	30-298 O	7812070148	7812070082	78/11/20	30-321 O
7812060067	7812060064	78/11/03	30-329 O	7812070162	7812070103	78/11/30	30-956 L
7812060070	7812060054	78/11/03	30-327 O	7812070168	7812070165	78/11/30	30-325 S
7812060074	7812060065	78/11/30	30-327 O	7812070178	7812070174	78/12/08	30-333 S
7812060077	7812060072	78/11/03	30-409 O	7812070181	7812070175	78/11/30	30-324 S
7812060112	7812060108	78/10/30	30-483 O	7812070182	7812070180	78/12/03	30-3 P
7812060119	7812060003	78/11/16	30-321 P	7812070188	7812070187	78/11/28	30-400 S
7812060128	7812060124	78/10/27	30-305 O	7812070190	7812070189	78/12/04	30-338 S
7812060129	7812060121	78/11/08	30-327 S	7812070193	7812070193	78/12/04	30-338 S
7812060142	7812060134	78/11/22	30-338 S	7812070199	7812070196	78/11/29	30-346 S
7812060137	7812060155	78/11/29	30-437 A	7812070201	7812070198	78/11/30	30-346 S
7812060172	7812060126	78/11/13	30-329 O	7812070204	7812070202	78/11/21	30-284 P
7812060177	7812060171	78/11/28	30-320 S	7812070206	7812070203	78/12/04	30-320 P
7812060178	7812060174	78/10/31	30-266 O	7812070213	7812070210	78/11/29	30-277 S
7812060185	7812060180	78/11/24	30-20 O	7812070217	7812070214	78/11/28	30-325 S
7812060194	7812060180	78/11/24	30-20 O	7812070220	7812070218	78/12/01	30-219 S
7812060203	7812060180	78/11/24	30-20 O	7812070222	7812070221	78/12/01	30-263 P
7812060211	7812060207	78/11/27	30-368 O	7812070230	7812070223	78/12/01	30-440 S
7812060219	7812060180	78/11/24	30-20 O	7812070231	7812070226	78/11/20	30-344 O
7812060220	7812060216	78/10/30	30-338 H	7812070237	7812070227	78/11/20	30-275 T
7812060228	7812060224	78/10/23	30-338 O	7812070242	7812070227	78/11/20	30-275 T
7812060230	7812060225	78/10/31	30-254 O	7812070246	7812070238	78/10/27	30-361 O
7812060234	7812060231	78/10/31	30-295 O	7812070259	7812070250	78/11/17	30-390 S
7812060236	7812060231	78/10/31	30-295 O	7812070268	7812070264	78/11/16	30-219 G
7812060244	7812060242	78/11/25	30-317 O	7812070290	7812070284	78/11/16	30-219 G
7812060262	7812060258	78/10/23	30-280 O	7812070291	7812070284	78/11/16	30-219 G
7812060272	7812060260	78/11/24	30-269 P	7812070293	7812070284	78/11/16	30-219 G
7812060274	7812060268	78/10/31	30-327 O	7812070296	7812070283	78/11/08	30-206 G
7812060282	7812060276	78/11/29	30-285 O	7812070309	7812070301	78/10/30	30-261 G
7812060286	7812060275	78/10/13	30-184 O	7812070312	7812070301	78/10/30	30-261 G
7812060291	7812060287	78/10/31	30-327 O	7812070315	7812070313	78/11/03	30-369 O
7812060293	7812060288	78/11/01	30-261 O	7812070319	7812070317	78/11/28	30-269 O
7812060300	7812060286	78/10/13	30-184 O	7812070320	7812070317	78/11/28	30-269 O
7812060302	7812060296	78/11/28	30-466 A	7812080010	7812080006	78/11/03	30-260 O
7812060304	7812060298	78/10/27	30-244 O	7812080015	7812080009	78/12/01	30-356 O
7812060307	7812060299	78/10/20	30-556 O	7812080023	7812080013	78/11/18	30-368 P
7812060308	7812060286	78/10/13	30-184 O	7812080025	7812080013	78/11/18	30-368 P
7812060316	7812060286	78/10/13	30-184 O	7812080029	7812080013	78/11/18	30-368 P
7812060319	7812060311	78/11/20	30-148 G	7812080043	7812080039	78/12/01	30-272 P
7812060326	7812060324	78/10/13	30-148 O	7812080052	7812080044	78/11/02	30-518 O
7812060329	7812060320	78/11/21	30-269 O	7812080052	7812080044	78/11/02	30-518 O
7812060331	7812060327	78/11/24	30-369 F	7812080057	7812080055	78/11/09	30-358 O
7812060332	7812060324	78/10/13	30-148 O	7812080058	7812080061	78/12/01	30-316 S
7812060333	7812060320	78/11/21	30-269 O	7812080070	7812080061	78/12/01	30-316 S
7812060336	7812060334	78/11/01	30-338 O	7812080083	7812080080	78/11/02	30-334 O
7812060339	7812060338	78/10/27	30-445 O	7812080087	7812080075	78/12/01	30-316 S
7812060340	7812060337	78/06/27	30-331 O	7812080089	7812080084	78/12/04	30-316 S
7812060341	7812060335	78/10/25	30-445 O	7812080103	7812080101	78/12/04	30-260 E
7812060342	7812060338	78/10/20	30-445 O	7812080111	7812080109	78/12/05	30-277 R
7812060345	7812060343	78/11/27	30-321 O	7812080112	7812080109	78/12/05	30-277 R
7812060346	7812060344	78/10/25	30-271 O	7812080115	7812080113	78/11/04	30-272 R
7812060349	7812060348	78/10/31	30-285 O	7812080118	7812080117	78/11/30	30-245 S
7812060350	7812060343	78/11/27	30-321 O	7812080130	7812080119	78/12/04	30-316 S
7812060351	7812060348	78/10/31	30-285 O	7812080132	7812080119	78/12/04	30-316 S
7812060355	7812060353	78/10/25	30-311 O	7812080139	7812080124	78/12/01	30-245 S
7812060357	7812060356	78/11/22	30-389 O	7812080130	7812080127	78/12/01	30-325 S
7812060358	7812060352	78/11/03	30-434 O	7812080136	7812080134	78/11/20	30-272 R
7812060362	7812060356	78/11/22	30-389 O	7812080138	7812080139	78/12/06	30-306 P
7812060367	7812060365	78/10/27	30-333 O	7812080140	7812080137	78/11/29	30-409 P
7812060381	7812060376	78/11/30	30-361 A	7812080142	7812080135	78/12/06	30-306 P
7812060391	7812060388	78/10/24	30-315 O	7812080145	7812080144	78/11/03	30-334 O
7812070002	7812070001	78/11/20	30-128 O	7812080147	7812080144	78/11/03	30-334 O
7812070022	7812070019	78/11/28	30-364 O	7812080155	7812080048	78/11/17	30-344 O
7812070023	7812070016	78/10/27	30-518 O	7812080170	7812080168	78/11/22	30-333 P
7812070024	7812070019	78/11/28	30-364 O	7812080173	7812080168	78/11/22	30-333 P
7812070026	7812070019	78/11/28	30-364 O	7812080190	7812080186	78/12/01	30-303 P
7812070030	7812070019	78/11/28	30-364 O	7812080193	7812080186	78/12/01	30-303 P
7812070045	7812070041	78/10/31	30-106 O	7812080205	7812080202	78/11/21	30-546 A
7812070054	7812070052	78/11/28	30-373 A				

ACCESSION NUMBER					ACCESSION NUMBER				
ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY		ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY	
7812080211	7812080210	78/11/28	50-302	U	7812120082	7812120080	78/12/06	50-333	P
7812080219	7812080213	78/10/30	50-13	Q	7812120087	7812120085	78/12/08	50-264	R
7812080221	7812080213	78/11/02	50-518	S	7812120094	7812120091	78/12/08	50-282	R
7812080238	7812080237	78/10/31	50-326	Q	7812120097	7812120095	78/12/07	50-255	S
7812110033	7812110031	78/11/29	50-566	A	7812120103	7812120102	78/12/07	50-220	R
7812110036	7812110031	78/11/29	50-566	A	7812120110	7812120093	78/11/30	50-518	A
7812110042	7812110031	78/11/29	50-566	A	7812120111	7812120104	78/11/30	50-329	A
7812110057	7812110094	78/11/22	50-498	Q	7812120112	7812120109	78/12/03	50-158	R
7812110069	7812110068	78/12/01	50-522	Q	7812120113	7812120108	78/12/06	50-336	S
7812110072	7812110070	78/11/30	50-437	Q	7812120118	7812120093	78/11/30	50-518	A
7812110074	7812110070	78/11/30	50-437	Q	7812120121	7812120115	78/12/05	50-295	S
7812110077	7812110093	78/11/22	50-219	S	7812120124	7812120093	78/11/30	50-518	A
7812110116	7812110113	78/12/04	50-447	A	7812120125	7812120119	78/12/06	50-230	F
7812110125	7812110122	78/12/04	50-235	R	7812120127	7812120123	78/12/07	50-219	S
7812110129	7812110124	78/11/17	50-295	S	7812120128	7812120093	78/11/30	50-518	A
7812110132	7812110128	78/12/06	50-334	R	7812120129	7812120116	78/12/07	50-336	S
7812110138	7812110134	78/12/04	50-348	S	7812120132	7812120126	78/12/06	50-409	R
7812110139	7812110133	78/11/24	50-29	P	7812120134	7812120130	78/11/30	50-249	S
7812110140	7812110136	78/12/08	50-263	R	7812120136	7812120133	78/12/05	50-219	S
7812110143	7812110135	78/11/24	50-29	P	7812120137	7812120131	78/11/30	50-313	S
7812110145	7812110135	78/11/24	50-29	P	7812120139	7812120093	78/11/30	50-518	A
7812110147	7812110144	78/11/17	50-293	S	7812120141	7812120135	78/12/05	50-293	S
7812110154	7812110151	78/11/20	50-295	S	7812120142	7812120138	78/12/07	50-313	R
7812110158	7812110156	78/12/04	50-409	S	7812120146	7812120140	78/12/07	50-346	S
7812110159	7812110157	78/11/17	50-295	S	7812120148	7812120143	78/12/06	50-334	S
7812110163	7812110161	78/11/17	50-295	S	7812120152	7812120074	78/12/07	50-470	K
7812110164	7812110160	78/11/22	50-295	S	7812120153	7812120149	78/12/05	50-344	R
7812110167	7812110165	78/11/30	50-409	S	7812120167	7812120162	78/12/07	50-315	S
7812110172	7812110169	78/12/04	50-344	J	7812120173	7812120165	78/12/06	50-346	S
7812110173	7812110170	78/12/04	50-312	S	7812120177	7812120174	78/12/07	50-260	S
7812110174	7812110171	78/12/06	50-155	S	7812120181	7812120172	78/12/07	50-346	S
7812110177	7812110169	78/12/04	50-344	J	7812120186	7812120178	78/12/07	50-316	S
7812110178	7812110176	78/11/21	50-254	S	7812120206	7812120200	78/12/05	50-395	R
7812110180	7812110175	78/11/20	50-295	S	7812120226	7812120216	78/11/09	50-331	Q
7812110182	7812110179	78/11/22	50-295	S	7812120231	7812120225	78/11/06	50-305	Q
7812110183	7812110181	78/11/15	50-284	S	7812120235	7812120232	78/10/17	50-250	Q
7812110192	7812110191	78/12/07	50-358	Q	7812120237	7812120232	78/10/17	50-250	Q
7812110196	7812110193	78/12/07	50-358	Q	7812120239	7812120236	78/12/04	50-250	Q
7812110208	7812110204	78/12/06	50-358	Q	7812120245	7812120241	78/10/17	50-363	Q
7812110210	7812110206	78/12/06	50-235	S	7812120248	7812120241	78/10/17	50-363	Q
7812110225	7812110222	78/11/02	50-280	Q	7812130004	7812130001	78/11/01	50-327	Q
7812110230	7812110220	78/11/14	50-392	Q	7812130005	7812130001	78/11/01	50-327	Q
7812110235	7812110232	78/11/01	50-334	Q	7812130008	7812130002	78/12/05	50-133	J
7812110239	7812110237	78/10/24	50-361	Q	7812130037	7812130035	78/11/09	50-315	Q
7812110240	7812110237	78/10/24	50-361	Q	7812130044	7812130038	78/11/16	50-366	Q
7812110251	7812110246	78/11/03	50-324	Q	7812130045	7812130035	78/11/09	50-315	Q
7812110268	7812110264	78/11/30	50-482	A	7812130063	7812130061	78/11/21	50-349	Q
7812110271	7812110264	78/11/30	50-482	A	7812130072	7812130070	78/11/24	50-471	Q
7812110273	7812110264	78/11/30	50-482	A	7812130083	7812130071	78/10/16	50-352	Q
7812110274	7812110272	78/10/17	50-277	P	7812130084	7812130080	78/11/21	50-502	Q
7812110276	7812110264	78/11/30	50-482	A	7812130087	7812130080	78/11/21	50-502	Q
7812110277	7812110272	78/10/17	50-277	P	7812130092	7812130071	78/10/16	50-352	Q
7812110279	7812110264	78/11/30	50-482	A	7812130098	7812130071	78/10/16	50-352	Q
7812110282	7812110264	78/11/30	50-482	A	7812130102	7812130071	78/10/16	50-352	Q
7812110297	7812110295	78/11/02	50-336	Q	7812130105	7812130071	78/10/16	50-352	Q
7812110301	7812110295	78/11/02	50-336	Q	7812130106	7812130096	78/11/25	50-344	Q
7812110305	7812110303	78/10/27	50-245	Q	7812130112	7812130071	78/10/16	50-352	Q
7812110309	7812110307	78/11/30	50-364	Q	7812130154	7812130129	78/11/09	50-331	Q
7812110310	7812110303	78/10/27	50-245	Q	7812130140	7812130136	78/12/08	50-331	P
7812110313	7812110307	78/11/30	50-364	Q	7812130141	7812130133	78/12/06	50-267	S
7812110316	7812110314	78/10/23	50-245	Q	7812130145	7812130136	78/12/08	50-331	P
7812110320	7812110319	78/11/22	50-333	P	7812130160	7812130158	78/12/06	50-298	R
7812110322	7812110319	78/11/22	50-333	P	7812130167	7812130163	78/12/04	50-267	R
7812110323	7812110319	78/11/22	50-333	P	7812130171	7812130168	78/12/06	50-286	Q
7812110329	7812110326	78/11/30	50-219	P	7812130172	7812130169	78/12/07	50-267	S
7812120017	7812120014	78/11/30	50-424	Q	7812130174	7812130170	78/12/07	50-318	S
7812120018	7812120014	78/11/30	50-424	Q	7812130179	7812130176	78/12/07	50-267	S
7812120020	7812120014	78/11/30	50-424	Q	7812130181	7812130178	78/12/08	50-288	R
7812120024	7812120022	78/10/17	50-322	Q	7812130185	7812130176	78/12/07	50-267	S
7812120026	7812120022	78/10/17	50-322	Q	7812130186	7812130184	78/12/08	50-10	R
7812120030	7812120027	78/12/04	50-445	A	7812130187	7812130183	78/12/07	50-318	S
7812120032	7812120027	78/12/04	50-445	A	7812130192	7812130190	78/12/06	50-267	S
7812120033	7812120029	78/11/27	50-395	Q	7812130194	7812130189	78/12/07	50-317	S
7812120034	7812120027	78/12/04	50-445	A	7812130197	7812130195	78/12/04	50-320	S
7812120035	7812120027	78/12/04	50-445	A	7812130200	7812130149	78/11/22	50-263	P
7812120036	7812120027	78/12/04	50-445	A	7812130202	7812130191	78/12/04	50-341	Q
7812120041	7812120038	78/12/04	50-580	H	7812130207	7812130177	78/12/08	50-361	A
7812120042	7812120038	78/12/04	50-580	H	7812130209	7812130206	78/11/09	50-318	Q
7812120044	7812120038	78/12/04	50-580	H	7812130210	7812130177	78/12/08	50-361	A
7812120045	7812120029	78/11/27	50-395	Q	7812130221	7812130241	78/12/07	50-261	Q

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7812120082	7812120080	78/12/06	50-333	P
7812120087	7812120085	78/12/08	50-264	R
7812120094	7812120091	78/12/08	50-282	R
7812120097	7812120095	78/12/07	50-255	S
7812120103	7812120102	78/12/07	50-220	R
7812120110	7812120093	78/11/30	50-518	A
7812120111	7812120104	78/12/07	50-329	A
7812120112	7812120109	78/12/03	50-158	R
7812120113	7812120108	78/12/06	50-336	S
7812120118	7812120093	78/11/30	50-518	A
7812120121	7812120115	78/12/05	50-295	S
7812120124	7812120093	78/11/30	50-518	A
7812120125	7812120119	78/12/06	50-230	F
7812120127	7812120123	78/12/07	50-219	S
7812120128	7812120093	78/11/30	50-518	A
7812120129	7812120116	78/12/07	50-336	S
7812120132	7812120126	78/12/06	50-409	R
7812120134	7812120130	78/11/30	50-249	S
7812120136	7812120133	78/12/05	50-219	S
7812120137	7812120131	78/11/30	50-313	S
7812120139	7812120093	78/11/30	50-518	A
7812120141	7812120135	78/12/05	50-293	S
7812120142	7812120138	78/12/07	50-313	R
7812120146	7812120140	78/12/07	50-346	S
7812120148	7812120143	78/12/06	50-334	S
7812120152	7812120074	78/12/07	50-470	K
7812120153	7812120149	78/12/05	50-344	R
7812120167	7812120162	78/12/07	50-315	S
7812120173	7812120165	78/12/06	50-346	S
7812120177	7812120174	78/12/07	50-260	S
7812120181	7812120172	78/12/07	50-346	S
7812120186	7812120178	78/12/07	50-316	S
7812120206	7812120200	78/12/05	50-395	R
7812120226	7812120216	78/11/09	50-331	G
7812120231	7812120225	78/11/06	50-305	G
7812120235	7812120232	78/10/17	50-230	G
7812120237	7812120232	78/10/17	50-250	G
7812120239	7812120236	78/12/04	50-290	G
7812120240	7812120241	78/10/17	50-363	G
7812120246	7812120241	78/10/17	50-363	G
7812130004	7812130001	78/11/01	50-327	G
7812130005	7812130001	78/11/01	50-327	G
7812130008	7812130002	78/12/05	50-133	J
7812130037	7812130035	78/11/09	50-319	G
7812130044	7812130038	78/11/16	50-366	G
7812130045	7812130035	78/11/09	50-315	G
7812130065	7812130061	78/11/21	50-349	G
7812130072	7812130070	78/11/24	50-471	G
7812130083	7812130071	78/10/16	50-352	G
7812130084	7812130080	78/11/21	50-502	G
7812130087	7812130080	78/11/21	50-502	G
7812130092	7812130071	78/10/16	50-352	G
7812130098	7813130071	78/10/16	50-352	G
7812130102	7812130071	78/10/16	50-352	G
7812130105	7812130071	78/10/16	50-352	G
7812130106	7812130096	78/11/25	50-344	G
7812130112	7812130071	78/10/16	50-352	G
7812130134	7812130129	78/11/09	50-331	G
7812130140	7812130136	78/12/08	50-331	F
7812130141	7812130135	78/12/06	50-267	S
7812130145	7812130136	78/12/08	50-331	F
7812130160	7812130158	78/12/06	50-298	R
7812130167	7812130163	78/12/04	50-267	R
7812130171	7812130168	78/12/06	50-286	G
7812130172	7812130169	78/12/07	50-267	S
7812130174	7812130170	78/12/07	50-318	S
7812130179	7812130176	78/12/07	50-267	S
7812130181	7812130178	78/12/08	50-285	R
7812130185	7812130176	78/12/07	50-267	S
7812130186	7812130184	78/12/08	50-10	R
7812130187	7812130183	78/12/07	50-318	S
7812130192	7812130190	78/12/06	50-267	S
7812130194	7812130189	78/12/07	50-317	S
7812130197	7812130193	78/12/04	50-320	S
7812130200	7812130149	78/11/22	50-263	P
7812130202	7812130191	78/12/04	50-341	G
7812130207	7812130177	78/12/08	50-361	A
7812130209	7812130206	78/11/09	50-315	G
7812130210	7812130177	78/12/08	50-361	A
7812130221	7812130241	78/12/07	50-261	G

PRINCIPAL DOCUMENTS

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ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY	ENCLOSURE	PRINCIPAL DOCUMENT	DATE ISSUED	SUBJECT CATEGORY
7812130286	7812130281	78/12/01	50-155 P	7812140275	7812140273	78/12/07	50-275 Q
7812130289	7812130287	78/12/04	50-491 Q	7812140277	7812140195	78/12/01	50-335 Q
7812130295	7812130287	78/12/04	50-491 Q	7812140278	7812140273	78/12/07	50-275 Q
7812130296	7812130294	78/12/07	50-324 Q	7812140279	7812140273	78/12/07	50-275 Q
7812130298	7812130287	78/12/04	50-491 Q	7812140283	7812140273	78/12/07	50-275 Q
7812130300	7812130294	78/12/07	50-324 Q	7812140288	7812140286	78/11/29	50-327 B
7812130304	7812130294	78/12/07	50-324 Q	7812140302	7812140297	78/11/29	50-70 H
7812130310	7812130294	78/12/07	50-324 Q	7812140304	7812140292	78/11/30	50-206 P
7812130311	7812130306	78/12/05	50-269 Q	7812140308	7812140292	78/11/30	50-206 P
7812130314	7812130301	78/11/17	50-275 Q	7812140311	7812140299	78/12/07	50-206 P
7812130317	7812130306	78/12/05	50-269 Q	7812140318	7812140316	78/11/27	50-245 P
7812130319	7812130316	78/11/15	50-344 Q	7812140331	7812140325	78/11/16	50-437 H
7812130321	7812130309	78/12/07	50-313 Q	7812140339	7812140316	78/11/27	50-245 P
7812130324	7812130316	78/11/15	50-344 Q	7812140348	7812140359	78/11/13	50-266 H
7812130327	7812130309	78/12/07	50-313 Q	7812150004	7812150001	78/11/16	50-275 Q
7812130332	7812130309	78/12/07	50-313 Q	7812150040	7812150030	78/11/07	50-327 Q
7812130336	7812130309	78/12/07	50-313 Q	7812150063	7812150057	78/11/07	50-261 Q
7812130338	7812130329	78/11/09	50-295 Q	7812150077	7812150072	78/12/04	50-245 P
7812130342	7812130331	78/12/01	50-187 Q	7812150082	7812150072	78/12/04	50-245 P
7812130345	7812130334	78/11/24	50-219 P	7812150086	7812150072	78/12/04	50-245 P
7812130346	7812130331	78/12/01	50-187 Q	7812150114	7812150107	78/12/05	50-285 P
7812130347	7812130331	78/12/01	50-187 Q	7812150117	7812150107	78/12/05	50-285 P
7812130350	7812130331	78/12/01	50-187 Q	7812150119	7812150107	78/12/05	50-285 P
7812130351	7812130334	78/11/24	50-219 P	7812150185	7812150180	78/11/03	50-206 Q
7812130353	7812130334	78/11/24	50-219 P	7812150199	7812150192	78/11/06	50-390 Q
7812130368	7812130363	78/12/05	50-344 P	7812150234	7812150232	78/12/11	50-305 B
7812130373	7812130363	78/12/05	50-344 P	7812150240	7812150214	78/11/01	50-245 Q
7812130376	7812130363	78/12/05	50-344 P	7812150241	7812150237	78/12/11	50-286 R
7812130380	7812130363	78/12/05	50-344 P	7812150244	7812150242	78/12/11	50-272 R
7812130385	7812130363	78/12/05	50-344 P	7812150263	7812150261	78/12/12	50-255 B
7812130387	7812130363	78/12/05	50-344 P	7812150266	7812150264	78/12/11	50-445 C
7812130390	7812130389	78/12/06	50-275 A	7812150269	7812150259	78/11/15	50-443 Q
7812140012	7812140010	78/10/31	50-263 Q	7812150272	7812150270	78/12/08	50-237 B
7812140014	7812140013	78/12/01	50-368 P	7812150273	7812150259	78/11/15	50-443 Q
7812140016	7812140010	78/10/31	50-263 Q	7812150274	7812150267	78/12/09	50-333 R
7812140017	7812140013	78/12/01	50-368 P	7812150283	7812150259	78/11/15	50-443 Q
7812140020	7812140013	78/12/01	50-368 P	7812150288	7812150286	78/12/11	50-29 R
7812140027	7812140024	78/12/01	50-245 P	7812150292	7812150290	78/12/11	50-271 R
7812140028	7812140021	78/10/27	50-329 Q	7812150294	7812150287	78/12/07	50-321 R
7812140030	7812140024	78/12/01	50-245 P	7812150298	7812150296	78/12/08	50-346 R
7812140034	7812140024	78/12/01	50-245 P	7812150308	7812150301	78/12/11	50-336 R
7812140038	7812140033	78/11/28	50-213 P	7812150311	7812150310	78/12/08	50-133 R
7812140039	7812140037	78/11/14	50-312 Q	7812150332	7812150330	78/12/11	50-384 R
7812140042	7812140040	78/11/27	50-29 P	7812150344	7812150343	78/12/01	50-400 Q
7812140046	7812140041	78/12/05	50-269 Q	7812150347	7812150334	78/12/07	50-366 R
7812140048	7812140041	78/12/05	50-269 Q	7812150351	7812150348	78/12/11	50-261 R
7812140055	7812140053	78/12/05	50-269 Q	7812150357	7812150355	78/12/11	50-309 R
7812140059	7812140053	78/12/05	50-269 Q	7812150372	7812150370	78/11/30	50-275 Q
7812140066	7812140063	78/11/08	50-331 Q	7812150373	7812150372	78/11/15	50-443 Q
7812140069	7812140065	78/10/27	50-97 P	7812150374	7812150367	78/12/09	50-333 R
7812140072	7812140070	78/10/31	50-70 Q	7812150383	7812150359	78/11/15	50-443 Q
7812140086	7812140081	78/12/01	50-10 Q	7812150388	7812150286	78/12/11	50-29 R
7812140098	7812140095	78/11/28	50-20 P	7812150392	7812150290	78/12/11	50-271 R
7812140114	7812140108	78/12/06	50-400 Q	7812150394	7812150287	78/12/07	50-321 R
7812140118	7812140117	78/12/05	50-348 Q	7812150398	7812150296	78/12/08	50-346 R
7812140119	7812140117	78/12/05	50-348 Q	7812150399	7812150301	78/12/11	50-336 R
7812140122	7812140117	78/12/05	50-348 Q	7812150311	7812150310	78/12/08	50-133 R
7812140126	7812140123	78/12/12	50-280 B	7812150332	7812150330	78/12/11	50-384 R
7812140129	7812140125	78/12/12	50-280 B	7812150344	7812150343	78/12/01	50-400 Q
7812140131	7812140125	78/12/12	50-280 B	7812150347	7812150334	78/12/07	50-366 R
7812140139	7812140130	78/11/08	50-329 Q	7812150351	7812150348	78/12/11	50-261 R
7812140140	7812140137	78/12/08	50-346 B	7812150357	7812150355	78/12/11	50-309 R
7812140147	7812140141	78/11/13	50-266 Q	7812150372	7812150370	78/11/30	50-275 Q
7812140152	7812140146	78/12/08	50-251 P	7812150373	7812150372	78/11/15	50-443 Q
7812140154	7812140149	78/12/08	50-220 B	7812150374	7812150367	78/12/09	50-333 R
7812140156	7812140151	78/11/07	50-280 Q	7812150383	7812150359	78/11/15	50-443 Q
7812140157	7812140153	78/12/06	50-252 J	7812150388	7812150286	78/12/11	50-29 R
7812140160	7812140158	78/11/11	50-325 B	7812150392	7812150290	78/12/11	50-271 R
7812140161	7812140159	78/12/12	50-306 B	7812150394	7812150287	78/12/07	50-321 R
7812140164	7812140155	78/12/07	50-368 B	7812150398	7812150296	78/12/08	50-346 R
7812140165	7812140163	78/11/11	50-261 B	7812150399	7812150301	78/12/11	50-336 R
7812140169	7812140167	78/12/11	50-272 B	7812150311	7812150310	78/12/08	50-133 R
7812140181	7812140177	78/12/12	50-443 Q	7812150332	7812150330	78/12/11	50-384 R
7812140229	7812140224	78/12/12	50-281 B	7812150344	7812150343	78/12/01	50-400 Q
7812140234	7812140224	78/12/12	50-281 B	7812150347	7812150334	78/12/07	50-366 R
7812140246	7812140244	78/11/14	50-445 H	7812150351	7812150348	78/12/11	50-261 R
7812140257	7812140255	78/12/01	50-406 Q	7812150357	7812150355	78/12/11	50-309 R
7812140263	7812140252	78/12/07	50-366 Q	7812150372	7812150370	78/11/30	50-275 Q
7812140265	7812140195	78/12/01	50-335 Q	7812150373	7812150372	78/11/15	50-443 Q
7812140270	7812140195	78/12/01	50-335 Q	7812150374	7812150367	78/12/09	50-333 R
				7812150383	7812150359	78/11/15	50-443 Q
				7812150388	7812150286	78/12/11	50-29 R
				7812150392	7812150290	78/12/11	50-271 R
				7812150394	7812150287	78/12/07	50-321 R
				7812150398	7812150296	78/12/08	50-346 R
				7812150399	7812150301	78/12/11	50-336 R
				7812150311	7812150310	78/12/08	50-133 R
				7812150332	7812150330	78/12/11	50-384 R
				7812150344	7812150343	78/12/01	50-400 Q
				7812150347	7812150334	78/12/07	50-366 R
				7812150351	7812150348	78/12/11	50-261 R
				7812150357	7812150355	78/12/11	50-309 R
				7812150372	7812150370	78/11/30	50-275 Q
				7812150373	7812150372	78/11/15	50-443 Q
				7812150374	7812150367	78/12/09	50-333 R
				7812150383	7812150359	78/11/15	50-443 Q
				7812150388	7812150286	78/12/11	50-29 R
				7812150392	7812150290	78/12/11	50-271 R
				7812150394	7812150287	78/12/07	50-321 R
				7812150398	7812150296	78/12/08	50-346 R
				7812150399	7812150301	78/12/11	50-336 R
				7812150311	7812150310	78/12/08	50-133 R
				7812150332	7812150330	78/12/11	50-384 R
				7812150344	7812150343	78/12/01	50-400 Q
				7812150347	7812150334	78/12/07	50-366 R
				7812150351	7812150348	78/12/11	50-261 R
				7812150357	7812150355	78/12/11	50-309 R
				7812150372	7812150370	78/11/30	50-275 Q
				7812150373	7812150372	78/11/15	50-443 Q
				7812150374	7812150367	78/12/09	50-333 R
				7812150383	7812150359	78/11/15	50-443 Q
				7812150388	7812150286	78/12/11	50-29 R
				7812150392	7812150290	78/12/11	50-271 R
				7812150394	7812150287	78/12/07	50-321 R
				7812150398	7812150296	78/12/08	50-346 R
				7812150399	7812150301	78/12/11	50-336 R
				7812150311	7812150310	78/12/08	50-133 R
				7812150332	7812150330	78/12/11	50-384 R
				781215			

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7812180196	7812180188	78/12/05	50-270	S	7812200109	7812200105	78/11/17	50-263	Q
7812180197	7812180193	78/07/24	50-271	S	7812200135	7812200133	78/12/15	50-382	A
7812180202	7812180198	78/12/07	50-366	S	7812200158	7812200156	78/12/08	50-13	Q
7812180205	7812180201	78/11/28	50-366	S	7812200161	7812200156	78/12/08	50-13	Q
7812180208	7812180204	78/12/13	50-219	S	7812200163	7812200163	78/12/15	50-348	S
7812180212	7812180207	78/12/12	50-316	S	7812200174	7812200173	78/12/14	50-315	R
7812180216	7812180213	78/07/24	50-271	S	7812200177	7812200175	78/11/01	50-458	A
7812180217	7812180214	78/12/11	50-266	S	7812200179	7812200176	78/12/11	50-302	R
7812180218	7812180210	78/12/12	50-10	J	7812200181	7812200178	78/12/11	50-302	S
7812180222	7812180219	78/12/13	50-271	S	7812200182	7812200180	78/12/14	50-219	R
7812180225	7812180220	78/12/08	50-366	S	7812200185	7812200183	78/12/01	50-293	R
7812180228	7812180223	78/12/08	50-337	S	7812200186	7812200184	78/12/15	50-445	A
7812180232	7812180226	78/12/06	50-593	F	7812200195	7812200193	78/12/13	50-247	S
7812180234	7812180231	78/11/22	50-366	S	7812200197	7812200196	78/12/12	50-312	R
7812180239	7812180236	78/11/30	50-293	P	7812200199	7812200198	78/12/13	50-324	S
7812180240	7812180236	78/11/30	50-295	P	7812200201	7812200200	78/12/13	50-324	S
7812180241	7812180237	78/08/10	50-271	S	7812200205	7812200203	78/12/14	50-316	R
7812180242	7812180236	78/11/30	50-295	P	7812200207	7812200204	78/12/13	50-280	S
7812180244	7812180236	78/11/30	50-295	P	7812200208	7812200206	78/12/13	50-247	S
7812180245	7812180243	78/08/23	50-267	R	7812200210	7812200209	78/12/14	50-267	S
7812180302	7812180292	78/12/10	50-338	Q	7812200215	7812200211	78/12/15	50-263	S
7812180311	7812180308	78/11/09	50-302	Q	7812200217	7812200213	78/12/13	50-309	S
7812180316	7812180315	78/12/07	50-335	Q	7812200218	7812200214	78/12/18	50-338	K
7812180317	7812180312	78/11/08	50-302	Q	7812200223	7812200220	78/12/14	50-309	P
7812180323	7812180321	78/12/11	50-267	P	7812200229	7812200226	78/12/14	50-368	S
7812180325	7812180320	78/11/09	50-259	Q	7812200231	7812200227	78/12/12	50-285	S
7812180331	7812180328	78/11/03	50-267	Q	7812200239	7812200234	78/12/14	50-338	S
7812180334	7812180333	78/12/08	50-400	Q	7812200240	7812200236	78/12/14	50-219	S
7812180335	7812180333	78/12/08	50-400	Q	7812200241	7812200235	78/11/28	50-234	R
7812180338	7812180333	78/12/08	50-400	Q	7812200245	7812200242	78/12/15	50-382	C
7812180340	7812180335	78/11/16	50-324	Q	7812200246	7812200241	78/11/30	50-259	K
7812180342	7812180339	78/12/11	50-389	M	7812200247	7812200243	78/12/13	50-537	A
7812180343	7812180333	78/12/08	50-400	Q	7812200248	7812200246	78/12/15	50-382	K
7812180345	7812180335	78/11/16	50-324	Q	7812200251	7812200245	78/12/13	50-537	A
7812180350	7812180348	78/10/30	50-298	Q	7812200254	7812200252	78/12/13	50-309	S
7812180351	7812180346	78/12/08	50-348	Q	7812200255	7812200253	78/12/12	50-338	R
7812180353	7812180349	78/11/08	50-416	Q	7812200287	7812200253	78/12/12	50-338	R
7812180356	7812180348	78/10/30	50-298	Q	7812200262	7812200260	78/12/01	50-280	R
7812180358	7812180352	78/12/11	50-280	Q	7812200272	7812200264	78/12/08	50-285	S
7812180380	7812180376	78/11/30	50-283	P	7812200273	7812200270	78/12/11	50-302	S
7812180389	7812180386	78/11/30	50-160	E	7812200274	7812200271	78/12/08	50-298	S
7812180390	7812180376	78/11/30	50-283	P	7812200276	7812200116	78/11/29	50-219	P
7812180401	7812180401	78/03/21	50-70	P	7812200278	7812200275	78/12/11	50-320	S
7812180424	7812180421	78/12/01	50-39	Q	7812200280	7812200116	78/11/29	50-219	P
7812190020	7812190001	78/12/14	50-70	P	7812200287	7812200283	78/12/14	50-263	S
7812190059	7812190053	78/10/31	50-313	Q	7812200289	7812200288	78/11/20	50-395	J
7812190061	7812190053	78/10/31	50-313	Q	7812200295	7812200292	78/11/17	50-358	Q
7812190073	7812190071	78/12/08	50-328	S	7812200300	7812200299	78/11/15	50-255	Q
7812190074	7812190072	78/12/12	50-587	A	7812200302	7812200299	78/11/15	50-255	Q
7812190107	7812190105	78/12/14	50-219	S	7812200307	7812200296	78/12/15	50-280	Q
7812190111	7812190110	78/12/11	50-296	S	7812200308	7812200306	78/11/17	50-374	Q
7812190116	7812190115	78/12/13	50-346	S	7812200315	7812200312	78/12/07	50-488	Q
7812190122	7812190119	78/12/13	50-296	S	7812200318	7812200316	78/12/07	50-488	Q
7812190123	7812190118	78/12/14	50-261	J	7812200349	7812200348	78/11/24	50-482	S
7812190124	7812190120	78/12/12	50-361	K	7812210005	7812210003	78/11/17	50-358	Q
7812190129	7812190117	78/10/27	50-483	Q	7812210029	7812210027	78/12/07	50-498	Q
7812190130	7812190127	78/12/11	50-269	S	7812210039	7812210035	78/12/07	50-413	Q
7812190131	7812190121	78/12/08	50-247	S	7812210043	7812210041	78/11/21	50-358	Q
7812190134	7812190132	78/12/15	50-320	R	7812210048	7812210035	78/12/07	50-413	Q
7812190139	7812190137	78/12/14	50-331	R	7812210049	7812210046	78/11/14	50-282	Q
7812190142	7812190089	78/12/08	50-445	Q	7812210050	7812210047	78/12/08	50-244	P
7812190149	7812190148	78/12/15	50-280	P	7812210052	7812210047	78/12/08	50-244	P
7812190152	7812190151	78/12/07	50-368	R	7812210054	7812210046	78/11/14	50-282	Q
7812190155	7812190117	78/10/27	50-483	Q	7812210055	7812210047	78/12/08	50-244	P
7812190156	7812190153	78/12/08	50-287	S	7812210056	7812210053	78/11/24	50-245	Q
7812190159	7812190157	78/12/06	50-206	R	7812210061	7812210059	78/12/11	50-413	Q
7812190160	7812190158	78/11/17	50-329	Q	7812210064	7812210059	78/12/11	50-413	Q
7812190162	7812190161	78/12/02	50-259	R	7812210070	7812210066	78/11/17	50-245	P
7812190170	7812190166	78/12/13	50-289	R	7812210071	7812210068	78/12/11	50-250	Q
7812190172	7812190171	78/11/29	50-344	Q	7812210074	7812210066	78/11/17	50-245	P
7812190180	7812190174	78/12/14	50-3	P	7812210075	7812210069	78/11/17	50-546	Q
7812190185	7812190184	78/12/05	50-454	A	7812210076	7812210068	78/12/11	50-250	Q
7812190188	7812190184	78/12/05	50-454	A	7812210077	7812210066	78/11/17	50-248	P
7812190193	7812190187	78/11/08	50-267	Q	7812210098	7812210081	78/12/14	50-321	Q
7812190197	7812190194	78/11/17	50-153	Q	7812210102	7812210100	78/12/15	50-364	P
7812190238	7812190235	78/12/06	50-250	Q	7812210104	7812210100	78/12/15	50-324	P
7812190243	7812190235	78/12/06	50-250	Q	7812210107	7812210100	78/12/15	50-324	P
7812200057	7812200056	78/11/30	50-536	H	7812210109	7812210100	78/12/15	50-324	P
7812200095	7812200091	78/11/09	50-282	Q	7812210113	7812210108	78/11/13	50-280	Q
7812200099	7812200091	78/11/09	50-282	Q	7812210114	7812210110	78/12/15	50-328	S

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7812210119	7812210110	78/12/15	50-328 S	7812260092	7812260087	78/11/30	50-443 Q
7812210131	7812210120	78/11/17	50-266 Q	7812260129	7812260126	78/12/18	50-322 A
7812210147	7812210143	78/11/08	50-460 Q	7812260134	7812260131	78/12/21	50-327 K
7812210149	7812210138	78/12/06	50-335 Q	7812260139	7812260136	78/12/18	50-322 K
7812210153	7812210143	78/11/08	50-460 Q	7812260136	7812260154	78/11/07	50-321 P
7812210154	7812210138	78/12/06	50-335 Q	7812260170	7812260166	78/12/15	50-438 A
7812210155	7812210152	78/11/09	50-324 Q	7812260172	7812260169	78/12/14	50-266 F
7812210160	7812210157	78/12/15	50-269 R	7812260174	7812260168	78/12/14	50-496 A
7812210161	7812210143	78/11/08	50-460 Q	7812260194	7812260191	78/12/15	50-289 S
7812210162	7812210159	78/10/24	50-368 Q	7812260203	7812260200	78/12/20	50-285 P
7812210166	7812210143	78/11/08	50-460 Q	7812260204	7812260202	78/12/22	50-341 K
7812210169	7812210159	78/10/24	50-368 Q	7812260209	7812260207	78/12/20	50-282 B
7812210175	7812210167	78/12/15	50-300 A	7812260216	7812260214	78/12/14	50-334 P
7812210179	7812210170	78/11/13	50-445 Q	7812260219	7812260213	78/12/14	50-245 S
7812210183	7812210167	78/12/15	50-300 A	7812260223	7812260218	78/12/18	50-293 K
7812210184	7812210180	78/11/17	50-298 Q	7812260237	7812260222	78/12/20	50-306 S
7812210185	7812210181	78/12/14	50-325 B	7812260248	7812260244	78/12/14	50-318 B
7812210192	7812210187	78/12/14	50-325 B	7812260258	7812260256	78/12/19	50-263 S
7812210195	7812210189	78/12/15	50-237 B	7812260261	7812260259	78/12/13	50-320 B
7812210200	7812210193	78/12/06	50-275 A	7812260289	7812260288	78/12/08	50-245 P
7812210204	7812210201	78/12/13	50-213 R	7812260295	7812260288	78/12/08	50-245 P
7812210209	7812210197	78/11/30	50-275 A	7812260301	7812260288	78/12/08	50-245 P
7812210210	7812210206	78/12/14	50-272 F	7812260305	7812260296	78/11/28	50-329 Q
7812210211	7812210207	78/12/15	50-3 R	7812260306	7812260289	78/12/08	50-245 P
7812210212	7812210202	78/12/14	50-348 R	7812260328	7812260323	78/12/13	50-263 P
7812210213	7812210203	78/12/01	50-295 S	7812270009	7812270003	78/12/15	50-220 P
7812210219	7812210214	78/12/06	50-295 S	7812270020	7812270017	78/11/09	50-313 Q
7812210220	7812210216	78/12/11	50-313 Q	7812270023	7812270018	78/12/04	50-263 H
7812210221	7812210217	78/12/08	50-304 S	7812270033	7812270030	78/11/30	50-320 Q
7812210222	7812210218	78/12/14	50-325 S	7812270040	7812270030	78/11/30	50-320 Q
7812210225	7812210223	78/12/01	50-275 A	7812270051	7812270047	78/11/21	50-289 Q
7812210226	7812210224	78/12/11	50-368 Q	7812270052	7812270030	78/11/30	50-320 Q
7812210228	7812210227	78/12/07	50-295 S	7812270056	7812270030	78/11/30	50-320 Q
7812210232	7812210230	78/12/18	50-255 B	7812270057	7812270047	78/11/21	50-289 Q
7812210235	7812210229	78/11/28	50-275 A	7812270056	7812270062	78/11/20	50-346 Q
7812210239	7812210234	78/12/11	50-295 S	7812270070	7812270062	78/11/20	50-346 Q
7812210245	7812210242	78/11/30	50-249 S	7812270075	7812270073	78/12/12	50-483 Q
7812210252	7812210244	78/11/30	50-249 S	7812270076	7812270073	78/12/12	50-483 Q
7812210260	7812210259	78/12/01	50-397 Q	7812270078	7812270074	78/11/29	50-409 Q
7812210263	7812210261	78/12/15	50-361 S	7812270151	7812270034	78/11/09	50-341 Q
7812210265	7812210261	78/12/15	50-361 S	7812270153	7812270149	78/11/13	50-334 Q
7812210267	7812210281	78/12/13	50-274 Q	7812270156	7812270034	78/11/09	50-341 Q
7812210301	7812210295	78/12/06	50-29 P	7812270158	7812270157	78/12/06	50-302 C
7812210308	7812210295	78/12/06	50-29 P	7812270166	7812270163	78/12/20	50-407 X
7812210312	7812210295	78/12/06	50-29 P	7812270181	7812270178	78/12/20	50-319 P
7812210324	7812210319	78/12/08	50-400 Q	7812270197	7812270193	78/12/18	50-106 P
7812210337	7812210333	78/12/08	50-302 Q	7812270199	7812270196	78/12/15	50-206 P
7812210344	7812210333	78/12/08	50-302 Q	7812270206	7812270201	78/12/20	50-267 S
7812210345	7812210319	78/12/08	50-400 Q	7812270214	7812270211	78/12/18	50-369 A
7812210346	7812210333	78/12/08	50-302 Q	7812270217	7812270213	78/12/22	50-285 S
7812210350	7812210333	78/12/08	50-302 Q	7812270224	7812270219	78/12/22	50-285 S
7812210363	7812210355	78/11/08	50-259 Q	7812270226	7812270220	78/12/20	50-315 S
7812210376	7812210370	78/11/15	50-206 Q	7812270237	7812270232	78/12/21	50-243 S
7812210380	7812210370	78/11/15	50-206 Q	7812270238	7812270235	78/12/20	50-338 S
7812210388	7812210370	78/11/15	50-206 Q	7812270243	7812270239	78/12/19	50-302 S
7812210399	7812210370	78/11/15	50-206 Q	7812270245	7812270241	78/12/21	50-263 S
7812210401	7812210396	78/12/06	50-482 S	7812270249	7812270247	78/12/19	50-313 S
7812210511	7812210506	78/12/15	50-247 Q	7812270250	7812270242	78/12/20	50-333 S
7812220029	7812220027	78/11/30	50-305 Q	7812270251	7812270246	78/12/21	50-263 S
7812220031	7812220027	78/11/30	50-305 Q	7812270255	7812270252	78/12/20	50-316 S
7812220040	7812220037	78/12/04	50-358 A	7812270260	7812270252	78/12/20	50-316 S
7812220064	7812220063	78/12/14	50-277 R	7812270262	7812270258	78/12/22	50-285 S
7812220069	7812220062	78/12/11	50-267 F	7812270263	7812270257	78/12/19	50-261 S
7812220075	7812220074	78/12/14	50-155 S	7812270264	7812270252	78/12/20	50-316 S
7812220077	7812220076	78/12/15	50-317 R	7812270268	7812270252	78/12/20	50-316 S
7812220080	7812220079	78/12/18	50-59 F	7812270269	7812270265	78/12/19	50-239 S
7812220084	7812220081	78/12/15	50-302 S	7812270271	7812270261	78/12/19	50-237 S
7812220086	7812220085	78/12/18	50-272 S	7812270272	7812270252	78/12/20	50-316 S
7812220098	7812220095	78/12/18	50-286 S	7812270273	7812270264	78/12/20	50-366 S
7812220100	7812220099	78/12/18	50-333 S	7812270275	7812270267	78/12/18	50-335 P
7812220105	7812220102	78/12/15	50-302 S	7812270277	7812270252	78/12/20	50-316 S
7812220107	7812220106	78/12/14	50-255 S	7812270281	7812270270	78/12/20	50-281 S
7812220118	7812220113	78/12/21	50-244 P	7812270282	7812270252	78/12/20	50-316 S
7812260008	7812260003	78/12/15	50-387 Q	7812270283	7812270278	78/12/22	50-348 S
7812260019	7812260014	78/12/15	50-247 P	7812270285	7812270260	78/12/14	50-321 S
7812260023	7812260014	78/12/15	50-247 P	7812270286	7812270252	78/12/20	50-316 S
7812260039	7812260014	78/12/15	50-247 P	7812270289	7812270284	78/12/19	50-249 S
7812260057	7812260044	78/12/08	50-259 Q	7812270292	7812270289	78/12/19	50-323 S
7812260064	7812260062	78/12/13	50-269 P	7812270293	7812270291	78/12/21	50-302 S
7812260067	7812260063	78/11/28	50-329 Q	7812270294	7812270290	78/12/20	50-280 S

7812270301	7812270297	78/12/13	50-331	P	7812280344	7812280328	78/12/19	50-250	Q
7812270302	7812270300	78/12/12	50-237	S	7812280348	7812280328	78/12/19	50-250	Q
7812270303	7812270298	78/12/21	50-324	S	7812280354	7812280351	78/12/11	50-466	Q
7812270304	7812270299	78/12/19	50-368	S	7812280356	7812280351	78/12/11	50-466	Q
7812270309	7812270306	78/12/21	50-348	S	7812280358	7812280355	78/11/22	50-344	Q
7812270310	7812270299	78/12/19	50-368	S	7812290008	7812290007	78/12/19	50-62	P
7812270311	7812270308	78/12/20	50-348	S	7812290010	7812290007	78/12/19	50-62	P
7812270312	7812270307	78/12/15	50-251	S	7812290011	7812290009	78/11/24	50-305	Q
7812270313	7812270306	78/12/21	50-348	S	7812290014	7812290009	78/11/24	50-305	Q
7812270317	7812270314	78/12/20	50-366	S	7812290020	7812290017	78/11/24	50-255	Q
7812270318	7812270315	78/12/18	50-321	S	7812290023	7812290017	78/11/24	50-255	Q
7812270321	7812270319	78/12/20	50-366	S	7812290022	7812290022	78/11/24	50-266	Q
7812270323	7812270316	78/12/21	50-219	S	7812290024	7812290028	78/11/13	50-317	Q
7812270324	7812270320	78/12/20	50-280	S	7812290043	7812290038	78/12/15	50-390	Q
7812270329	7812270325	78/12/18	50-366	S	7812290044	7812290042	78/11/13	50-311	Q
7812270331	7812270326	78/12/20	50-366	S	7812290045	7812290038	78/12/15	50-390	Q
7812270333	7812270332	78/12/22	50-285	S	7812290046	7812290038	78/12/15	50-390	Q
7812270339	7812270337	78/11/13	50-409	Q	7812290048	7812290038	78/12/15	50-390	Q
7812270359	7812270357	78/12/13	50-369	Q	7812290052	7812290049	78/12/15	50-220	P
7812270364	7812270357	78/12/15	50-369	Q	7812290053	7812290051	78/11/09	50-271	Q
7812270368	7812270357	78/12/15	50-369	Q	7812290058	7812290055	78/12/15	50-438	Q
7812270372	7812270357	78/12/15	50-369	Q	7812290061	7812290057	78/12/07	50-336	Q
7812270382	7812270377	78/11/28	50-397	Q	7812290064	7812290055	78/12/15	50-438	Q
7812270386	7812270383	78/11/15	50-390	Q	7812290066	7812290056	78/11/22	50-339	Q
7812270391	7812270387	78/11/27	50-508	Q	7812290067	7812290055	78/12/15	50-438	Q
7812270409	7812270401	78/12/14	50-72	P	7812290070	7812290059	78/12/15	50-438	Q
7812270415	7812270401	78/12/14	50-73	P	7812290079	7812290076	78/11/13	50-261	Q
7812270423	7812270417	78/11/13	50-278	Q	7812290088	7812290086	78/11/17	50-280	Q
7812270430	7812270424	78/12/14	50-247	Q	7812290097	7812290089	78/11/30	50-219	S
7812270436	7812270432	78/11/22	50-243	Q	7812290101	7812290096	78/12/18	50-302	Q
7812270449	7812270446	78/11/13	50-220	Q	7812290102	7812290095	78/12/22	50-275	F
7812270436	7812270430	78/11/22	50-133	Q	7812290105	7812290100	78/12/05	50-502	Q
7812270457	7812270453	78/11/13	50-333	Q	7812290107	7812290096	78/12/18	50-302	Q
7812270478	7812270469	78/12/06	50-322	Q	7812290111	7812290109	78/11/14	50-553	Q
7812280012	7812280009	78/11/13	50-272	Q	7812290112	7812290096	78/12/18	50-302	Q
7812280013	7812280011	78/12/12	50-305	P	7812290115	7812290113	78/12/26	50-361	A
7812280016	7812280011	78/12/12	50-305	P	7812290117	7812290114	78/12/20	50-327	Q
7812280018	7812280011	78/12/12	50-305	P	7812290122	7812290114	78/12/20	50-327	Q
7812280026	7812280019	78/12/07	50-230	P	7812290123	7812290114	78/12/20	50-327	Q
7812280040	7812280019	78/12/07	50-230	P	7812290128	7812290114	78/12/20	50-327	Q
7812280049	7812280046	78/12/15	50-424	Q	7812290141	7812290136	78/12/27	50-480	A
7812280070	7812280066	78/12/15	50-424	Q	7812290143	7812290138	78/12/27	50-584	A
7812280073	7812280066	78/12/15	50-424	Q	7812290151	7812290148	78/12/19	50-508	A
7812280080	7812280066	78/12/15	50-424	Q	7812290152	7812290145	78/12/20	50-424	S
7812280100	7812280099	78/12/21	50-447	B	7812290164	7812290160	78/12/07	50-368	S
7812280130	7812280128	78/12/20	50-344	K	7812290173	7812290169	78/12/20	50-245	R
7812280133	7812280133	78/12/21	50-369	K	7812290185	7812290182	78/12/22	50-315	P
7812280142	7812280137	78/12/18	50-336	Q	7812290201	7812290197	78/12/07	50-298	S
7812280152	7812280151	78/12/21	50-466	S	7812290207	7812290202	78/12/26	50-255	S
7812280200	7812280197	78/12/20	50-477	Q	7812290208	7812290200	78/12/22	50-346	S
7812280204	7812280197	78/12/20	50-477	Q	7812290212	7812290205	78/12/22	50-245	S
7812280213	7812280210	78/12/08	50-311	Q	7812290214	7812290209	78/12/22	50-287	S
7812280224	7812280223	78/11/28	50-361	Q	7812290215	7812290210	78/12/21	50-237	S
7812280229	7812280226	78/11/21	50-456	Q	7812290218	7812290209	78/12/22	50-287	S
7812280236	7812280231	78/11/30	50-219	S	7812290219	7812290213	78/12/22	50-219	S
7812280239	7812280237	78/11/13	50-367	Q	7812290220	7812290211	78/11/15	50-334	Q
7812280244	7812280237	78/11/13	50-367	Q	7812290223	7812290216	78/12/22	50-334	S
7812280246	7812280241	78/11/17	50-361	Q	7812290224	7812290221	78/12/21	50-260	S
7812280247	7812280238	78/12/18	50-269	P	7812290226	7812290222	78/12/19	50-334	S
7812280261	7812280258	78/12/18	50-269	P	7812290227	7812290216	78/12/22	50-334	S
7812280264	7812280258	78/12/18	50-269	P	7812290228	7812290225	78/12/22	50-285	S
7812280267	7812280258	78/12/18	50-269	P	7812290235	7812290216	78/12/22	50-334	S
7812280277	7812280274	78/12/18	50-267	H	7812290238	7812290234	78/11/16	50-387	Q
7812280280	7812280271	78/12/08	50-237	Q	7812290243	7812290241	78/12/11	50-461	Q
7812280288	7812280283	78/12/15	50-220	Q	7812290244	7812290239	78/11/28	50-267	Q
7812280290	7812280286	78/12/14	50-321	Q	7812290245	7812290242	78/12/20	50-498	A
7812280291	7812280284	78/12/15	50-280	E	7812290247	7812290241	78/12/11	50-461	Q
7812280294	7812280286	78/12/14	50-321	Q	7812290253	7812290249	78/11/15	50-485	Q
7812280306	7812280302	78/12/13	50-393	Q	7812290258	7812290254	78/12/04	50-322	Q
7812280309	7812280300	78/11/08	50-293	Q	7812290267	7812290264	78/12/29	50-596	A
7812280310	7812280307	78/12/15	50-440	Q	7812290268	7812290255	78/12/07	50-556	Q
7812280315	7812280302	78/12/13	50-393	Q	7812290271	7812290266	78/12/29	50-596	S
7812280316	7812280307	78/12/15	50-440	Q	7812290275	7812290266	78/12/29	50-596	S
7812280319	7812280313	78/11/09	50-318	Q	7812290278	7812290266	78/12/29	50-596	S
7812280332	7812280323	78/12/07	50-329	Q	7908080484	7812120115	78/11/03	50-295	S
7812280334	7812280325	78/12/07	50-329	Q					
7812280339	7812280328	78/12/19	50-250	Q					
7812280340	7812280325	78/12/07	50-329	Q					
7812280342	7812280328	78/12/19	50-250	Q					

DEFINITIONS OF DOCKET 50 CATEGORIES

A. APPLICATION/CONSTRUCTION STAGE DOCUMENTS AND CORRESPONDENCE

This category follows the application from submission to the day preceding the issuance of an operating license. It includes all correspondence and documents with substantive technical content that do not fall into other specific categories. Included are:

1. Application for construction permit.
2. General Information submitted with construction permit application.
3. Amendments and changes to items 1 and 2.
4. NRC questions, requests for additional information, and applicant responses.
5. Correspondence and documents relating to unresolved design and construction issues.
6. Meeting announcements and summaries of meeting discussions on issues of Item 5.
7. Correspondence regarding the Preliminary Safety Analysis Report (PSAR).
8. Information on laws and changes in regulations or policy that affect the status of the application (NEPA, Water Quality Improvement Act, Water Pollution Control Act, etc.).
9. Construction Permit, amendments, and correspondence relating to the construction permit.
10. Scheduling of license application submission or review.
11. Environmental review information.
12. Application for operating license.
13. General Information submitted with operating license application.
14. Amendments and changes to items 12 and 13.
15. Correspondence regarding the Final Safety Analysis Report (FSAR).
16. Correspondence and documentation on generic technical matters highlighted by an event at another facility which may affect the subject facility; not covered by an IE Bulletin.
17. Reports of site visits.
18. Backup technical documents (e.g., topical reports) submitted in support of the application.

B. UTILITY PRELIMINARY SAFETY ANALYSIS REPORT (PSAR) AND AMENDMENTS

This category is strictly limited to the items listed below. All related correspondence is filed in Category A.

1. Preliminary Safety Analysis Report (PSAR) submitted by utility (formerly called Hazards Summary Report or Safety Analysis Report).
2. Amendments and changes to the PSAR.

C. UTILITY ENVIRONMENTAL REPORT (ER), AMENDMENTS AND CORRESPONDENCE

This category is strictly limited to the items listed below. Other environmental documents and correspondence are filed in Categories A, D, M, P or R.

1. Environmental Report (ER) submitted by the utility.
2. Amendments and supplements to the ER.
3. Transmittal and acknowledgement letters.
4. Information on scheduling of submittal or review of ER.
5. NRC questions, requests for additional information, and applicant responses.
6. Federal register notices citing the availability of items 1 and 2.
7. Correspondence relating to the review of ER.
8. Meeting announcements or reports of meetings where the primary subject of discussion is the ER.

D. NRC DRAFT AND FINAL ENVIRONMENTAL (IMPACT) STATEMENTS (DES AND FES), SUPPLEMENTS AND CORRESPONDENCE

This category is strictly limited to the items listed below. Other environmental documents and correspondence are in categories A, C, M, P or R.

1. Draft and Final Environmental (Impact) Statements (DES and FES) prepared by the NRC.
2. Supplements to the DES and FES.
3. Correspondence relating to the DES and FES.
4. Comments from other federal, state and local government agencies.
5. Transmittal and acknowledgement letters.
6. Documents related to NRC review of environmental issues or of ER obtained for purposes of writing the environmental statements.
7. Backup technical documents submitted in connection with above.
8. Federal register notice citing availability of items 1 and 2.
9. Site visits to obtain information for DES or FES.
10. Meeting announcements or reports of meetings where the primary subject of discussion is the DES or FES.

E. NRC SAFETY EVALUATION REPORT (SER), SUPPLEMENTS AND CORRESPONDENCE

This category is strictly limited to the items listed below. Other documents dealing with safety related issues are filed in categories A, P or W, depending on the phase of the licensing process.

2. Supplements to SER.
3. Correspondence relating to SER.
4. Federal register notices citing availability of items 1 and 2.
5. Information on scheduling of SER submittals and review.
6. Requests for additional information for use in preparing SER; responses to such requests.
7. Meeting announcements or reports of meetings where the primary subject of discussion is the SER.
8. Transmittal and acknowledgement letters.

F. SECURITY, MEDICAL, EMERGENCY AND FIRE PROTECTION PLANS

All plans in this category are individual submissions. Information submitted as part of the PSAR or FSAR is excluded.

1. Fire Hazard Protection Plan and surveys.
2. Plant evacuation correspondence.
3. Safeguards Contingency Plans.
4. Review of Health Physics Program.
5. Correspondence relating to *mentioned plans*.
6. Supplements, changes and revisions to plans.

G. LEGAL AND ADJUDICATORY CORRESPONDENCE

This category contains all non-antitrust legal and adjudicatory documentation, except for transcripts, briefings and testimony, which are filed in category T.

1. Atomic Safety and Licensing Board (ASLB) and Atomic Safety and Licensing Appeal Board (ASLAB) hearing related documents.
2. Federal register notices regarding hearings.
3. Requests to make appearances at hearings.
4. Motions, briefs, arguments, statements and *related correspondence* filed by participants for hearings.
5. Transmittal of supporting documents (e.g., SER, FES) to the boards.
6. Correspondence to and from intervenors.
7. Board orders and decisions.
8. Petitions for Commission action.
9. Legal filings and Commission orders and decisions resulting from item 8.

Items that have no substantive technical content or meaning for the status of the license or application are included.

1. Change of address notifications.
2. Changes in structure of organization.
3. Changes in service lists.
4. NRC requests to applicant for additional copies of documents.
5. Correspondence from the public requesting information about the facility and NRC responses.
6. Correspondence on strictly administrative matters.
7. Letters of support, concern or opposition to the facility.
8. Correspondence regarding the Local Public Document Rooms (LPDRs).
9. Professional qualification statements not pertaining to the hearing process.

I. FINANCIAL INFORMATION

This category contains all financial information except that submitted as part of the application or its amendments or relating to the imposition of civil penalties.

1. Company annual reports.
2. *Separately submitted financial information and related correspondence.*

J. INSURANCE AND INDEMNITY INFORMATION

1. Indemnity agreements and amendments.
2. Endorsements insurance policies.
3. Other correspondence regarding indemnity and insurance matters.

K. UTILITY FINAL SAFETY ANALYSIS REPORT (FSAR) AND AMENDMENTS

This category is strictly limited to the items listed below. All related correspondence falls in category A or P.

1. Final Safety Analysis Report (FSAR) (formerly called Final Hazards Summary Report).
2. Amendments and changes to the FSAR.

of items 1 and 2.

This category is limited to documents pertaining to Limited Work Authorizations (LWA) whereby applicants can carry out limited site preparation and construction prior to the granting of a construction permit.

1. Limited Work Authorizations (LWA) and amendments.
2. Correspondence pertaining to work performed under LWA's.

M. ANTITRUST REVIEW AND ANTITRUST CORRESPONDENCE

1. Document submitted as part of the applications for a construction permit and operating license entitled "Information Requested by the Attorney General for Antitrust Review"
2. Correspondence where the primary topic of discussion is antitrust matters.
3. All antitrust proceeding related documents except for hearing transcripts, testimony and briefings, which are filed in category N.

N. ANTITRUST HEARING TRANSCRIPTS, TESTIMONY AND BRIEFINGS

This category contains word-for-word transcripts of hearings, testimony and briefings in antitrust matters. Related correspondence falls in category M.

O. ADVISORY COMMITTEE ON REACTOR SAFEGUARDS (ACRS) REPORTS AND CORRESPONDENCE

1. Correspondence and letter reports relating to Advisory Committee on Reactor Safeguards (ACRS) reviews.
2. Correspondence from ACRS.
3. Announcement of ACRS meetings.
4. Transmittal and acknowledgement letters.
5. ACRS reports.
6. Statements and written testimony by ACRS members or presented by individuals at ACRS proceedings.
7. Minutes at ACRS Subcommittee Meetings.

P OPERATING LICENSE STAGE DOCUMENTS AND CORRESPONDENCE

This file assumes the position of the Application/Construction Stage (category A) file for general technical items dated from the issuance of the operating license to the application for termination of the license.

1. Operating license, amendments, proposed amendments, changes and related correspondence.
2. Technical specifications and changes.

5. Correspondence regarding the Final Safety Analysis Report (FSAR).
6. All general technical correspondence, meeting announcements or meeting summaries relating to technical specifications, the operating license or technical issues arising after the issuance of the operating license.
7. Correspondence regarding codes (e.g., ASME), regulations, laws or changes in policy that may affect plant operation or bear on the operating license.
8. Information on the Standard Review Plan (STP).
9. Results of surveys or tests conducted in accordance with the technical specifications (not periodic reports, which fall in category R).
10. Correspondence relating to NRC's Systematic Evaluation Program (SEP).
11. Owner's group meeting announcements and reports.
12. Quality assurance information.
13. Environmental matters (technical).
14. Emergency core cooling system documents.
15. Radioactive waste information.
16. Correspondence regarding expansion of spent fuel storage pool.
17. Start-up test reports.
18. Correspondence and documentation on generic technical matters highlighted by an event at another facility which may affect the subject facility; not covered by an IE Bulletin.
19. Reports of site visits.

Q. INSPECTION REPORTS; IE BULLETINS, CIRCULARS AND INFORMATION NOTICES; CIVIL PENALTIES AND RELATED CORRESPONDENCE

1. Inspection reports.
2. IE Bulletins (formerly called Regulatory Operations (RO) Bulletins), Circulars and Information Notices.
3. Responses by applicant to IE correspondence.
4. Applicant's determination of proprietary nature of inspection reports.
5. Letters concerning areas of noncompliance.
6. Pre-service and in-service inspections and procedures.
7. Correspondence and orders relating to imposition and payment of civil penalties, including Notification of Significant Enforcement Actions (EN's).
8. Any correspondence relating to inspection and enforcements that does not specifically relate to incidents or events as defined in category S.

1. Monthly, semiannual, or annual operating reports (other than financial).
2. Periodic environmental monitoring, effluent testing, or similar reports.
3. Periodic personnel exposure reports.
4. Operational Logbooks:
Logbooks on Environmental Data
Logbooks on Radiological Data
Operations Log on Plant Systems Core
Plant Status Summary Sheets.
5. Correspondence or other documents relating to the above listed items.

S. REPORTABLE OCCURRENCES, PNO'S, PNS'S AND RELATED CORRESPONDENCE

This category contains all materials relating to abnormal, unusual, reportable or nonroutine occurrences or events. This includes:

1. All 24-hour, 10-day, 30-day, interim and final Licensee Event Reports (LER's) and follow-up correspondence (also called incident reports, abnormal occurrence reports and reportable occurrences).
2. Potential or possible reportable deficiency reports and related correspondence.
3. Personnel exposure reports.
4. Construction deficiency reports submitted under 10 CFR 50.55e.
5. Preliminary Notification of Occurrence (PNO's) and Preliminary Notification of Safeguards Events (PN's).
6. Environmental Technical Specifications violation reports and Environmental Event reports.
7. Part 21 Reports of defects and noncompliance.
8. Correspondence or other documents relating to items 1-7.

T. TRANSCRIPTS, TESTIMONY AND BRIEFINGS ON NON-ANTITRUST MATTERS

This category contains all word-for-word transcripts, except for antitrust matters (category N), testimony and briefings, and congressional matters (category U).

1. Atomic Safety and Licensing Board (ASLB) and Atomic Safety and Licensing Appeal Board (ASLAB) transcripts.
2. Testimony and statements submitted to ASLB and ASLAB.
3. Commission meeting transcripts.
4. NRC staff briefings to the Commission.
5. Statements and written testimony submitted at Commission meeting or hearings.
6. Transcripts of utility briefs to NRC staff.
7. Advisory Committee on Reactor Safeguards (ACRS) meeting transcripts.

U. CONGRESSIONAL/EXECUTIVE CORRESPONDENCE

This category contains correspondence on substantive matters. Routine responses to constituent inquiries are filed in category H.

1. Statements and testimony before Congress or before bodies/committees appointed by the Executive or Legislative Branches.
2. Preparatory and backup documents for item 1.
3. Correspondence to and from NRC Office of Congressional Affairs, Congress and the Executive Branch on other than constituent response matters.

V. LICENSING OPERATORS AND RELATED CORRESPONDENCE

1. Operator licenses or administrative information bearing on licensing of operators.
2. NRC examination results.
3. Power plant examination summary sheet.

W. DECOMMISSIONING STAGE DOCUMENTS AND CORRESPONDENCE

This file assumes the position of the Operating License Stage (category P) file for general technical items from the application for termination of the operating license onward.

1. Application for authority to voluntarily surrender license.
2. Application to dismantle the facility and dispose of component parts.
3. Technical documents submitted in support of items 1 and 2, such as: Decommissioning Plan, Dismantling Plan, Environmental Report on Dismantling, Safety Analysis Report on Decommissioning.
4. Documents relating to disposal of radioactive material and decontamination of the site.
5. Other correspondence relating to above items.
6. All documentation relating to the ongoing operation of the plan, formerly filed in category P.

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